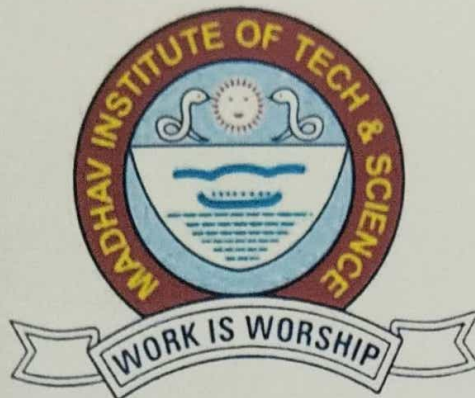


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Project Report

on

DEVELOPMENT OF EDUNOW CONSULTING SERVICES

A project report submitted in partial fulfillment of the requirement for the degree of

MASTER IN COMPUTER APPLICATION

in

COMPUTER SCIENCE AND ENGINEERING

Submitted By:

Ayushi Saxena

(0901CA221021)

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Mr. Subham Sahu (Senior Software Developer, VisionClara IT Solutions, Bhopal)

Faculty Mentor:

Dr. R.S. Jadon (Professor)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

GWALIOR - 474005 (MP) Estd. 1957

January – June 2024

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Date: 25-04-2024



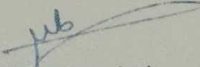
Certificate of Internship Completion

This is to certify that **Ms. Ayushi Saxena** has successfully completed the internship program at **VisionClara IT Solutions**. The internship, titled **Full Stack Developer Intern** was undertaken from **01-01-2024 to 25-04-2024**.

Throughout the internship duration, Ms. Ayushi Saxena actively contributed to a project titled **EduNow Consulting Services** under the guidance of Subham Sahu (Co-Founder/Senior Developer) and Krishna Kant Vishwakarma (Co-Founder/Project Lead). Her responsibilities encompassed various aspects of the project lifecycle, including project planning and analysis, design, development, testing, deployment, and maintenance.

The valuable contributions made by Ms. Ayushi Saxena have significantly contributed to the objectives of the internship program and have enriched the learning experience for both the intern and the organization.

This certificate is awarded as a testament to Ms. Ayushi Saxena hard work, commitment, and professional growth demonstrated throughout the internship.


(Co-Founder)

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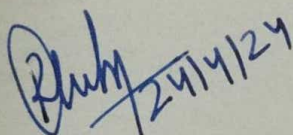
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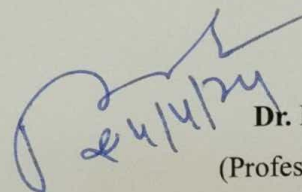
This is to certify that **Ms. Ayushi Saxena** (0901CA221021) has submitted the project report titled **Development of EduNow Consulting Services** under the mentorship of **Mr. Subham Sahu** (Senior Software Developer, VisionClara IT Solutions), in partial fulfilment of the requirement for the award of degree of **Master in Computer Application**, submitted in Department of Computer Science and Engineering, **Madhav Institute of Technology and Science, Gwalior**.



Dr. R.S. Jadon

(Professor and Project Coordinator)

Dept. of Computer Science and Engineering



Dr. Manish Dixit

(Professor and Head)

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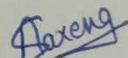
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DECLARATION

I hereby declare that the work being presented in this project report, for the partial fulfilment of requirement for the award of the degree of **Master in Computer Application** in Department of Computer Science and Engineering at **Madhav Institute of Technology & Science, Gwalior** is an authenticated and original record of my work under the mentorship of **Mr. Subham Sahu** (Senior Software Developer, VisionClara IT Solutions).

I declare that I have not submitted the matter embodied in this report for the award of any degree or diploma anywhere else.


Ayushi Saxena

0901CA221021

2022 - 2024

Master in Computer Application

Dept. of Computer Science and Engineering

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

Deemed to be University

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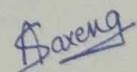
ACKNOWLEDGEMENT

The full semester project has proved to be pivotal to my career. I am thankful to my institute, **Madhav Institute of Technology and Science** to allow me to continue my disciplinary project. I extend my gratitude to the Director of the institute, **Dr. R. K. Pandit** and Dean Academics, **Dr. Manjaree Pandit** for this.

I would sincerely like to thank my department, **Department of Computer Science and Engineering**, for allowing me to explore this project. I humbly thank **Dr. Manish Dixit** (Professor and Head), Department of Computer Science and Engineering, for his continued support during the course of this engagement, which eased the process and formalities involved.

I would like to extend my heartfelt appreciation to **Mr. Subham Sahu** (Senior Software Developer, VisionClara IT Solutions) for his exceptional mentorship, guidance, and assistance throughout the project. His valuable inputs and feedback during the course of the project have helped me enhance my knowledge and skills. His constant encouragement and support have been instrumental in the successful completion of this project.

I am sincerely thankful to my faculty coordinator. I am grateful to the guidance of **Dr. R.S. Jadon** (Professor), Department of Computer Science and Engineering, for his continued support and guidance throughout the project. I am also very thankful to the faculty and staff of the department.


Ayushi Saxena

0901CA221021

2022 - 2024

Master in Computer Application
Dept. of Computer Science and Engineering

ABSTRACT

In today's educational environment, a school's ability to attract and retain talent is crucial to its success. EduNow Consultants, a distinguished headhunting and recruitment firm, specializes in meeting the unique staffing needs of educational institutions across India and Asia. With a solid foundation in the education industry, EduNow Consultants provides an extensive range of services catered to the unique needs of educational institutions, guaranteeing the discovery and matching of outstanding talent with their values and long-term goals.

EduNow Consultants specializes in executive search and carries out exhaustive searches to find exceptional people for key leadership positions, such as principals, headmasters, directors, and administrators. Their approach considers not only candidates' qualifications and experience but also their leadership abilities and cultural fit within the institution. Their faculty recruitment service also helps schools find outstanding teachers in a variety of fields by using thorough screening procedures to make sure potential hires have the knowledge, abilities, and commitment needed.

EduNow Consultants distinguishes itself through its comprehensive recruitment approach, integrating talent assessment methods such as psychometric evaluations, in-depth interviews, and reference checks to offer schools a holistic understanding of candidate suitability. The company also offers customized consulting to help schools improve organizational culture, build leadership, and enhance talent management techniques. With a focus on education, a broad industry network, and a dedication to professionalism and ethics, EduNow Consultants has a track record of successfully placing top people and providing individualized solutions.

In summary, EduNow Consultants serves as a strategic partner for schools, offering bespoke recruitment solutions and advisory services to support their growth and success in an increasingly competitive education landscape. Through their expertise and commitment to excellence, EduNow Consultants aims to facilitate the advancement of educational institutions by connecting them with the best-suited leadership and faculty talent.

सार

आज के शैक्षणिक माहौल में, किसी स्कूल की प्रतिभा को आकर्षित करने और बनाए रखने की क्षमता उसकी सफलता के लिए महत्वपूर्ण है। एडुनाउ कंसल्टेंट्स, एक प्रतिष्ठित हेडहंटिंग और भर्ती फर्म, भारत और एशिया भर के शैक्षणिक संस्थानों की अद्वितीय स्टाफिंग जरूरतों को पूरा करने में माहिर है। शिक्षा उद्योग में एक ठोस आधार के साथ, एडुनाउ कंसल्टेंट्स शैक्षणिक संस्थानों की अनूठी जरूरतों को पूरा करने वाली सेवाओं की एक विस्तृत श्रृंखला प्रदान करता है, जो उत्कृष्ट प्रतिभा की खोज और उनके मूल्यों और दीर्घकालिक लक्ष्यों के साथ मिलान की गारंटी देता है।

एडुनाउ कंसल्टेंट्स कार्यकारी खोज में माहिर हैं और प्रिंसिपल, हेडमास्टर, निदेशक और प्रशासक जैसे प्रमुख नेतृत्व पदों के लिए असाधारण लोगों को खोजने के लिए विस्तृत खोज करते हैं। उनका दृष्टिकोण न केवल उम्मीदवारों की योग्यता और अनुभव बल्कि संस्थान के भीतर उनकी नेतृत्व क्षमता और सांस्कृतिक फिट पर भी विचार करता है। उनकी संकाय भर्ती सेवा संपूर्ण स्क्रीनिंग प्रक्रियाओं का उपयोग करके स्कूलों को विभिन्न क्षेत्रों में उत्कृष्ट शिक्षकों को खोजने में मदद करती है ताकि यह सुनिश्चित किया जा सके कि संभावित नियुक्तियों के पास आवश्यक ज्ञान, योग्यताएं और प्रतिबद्धता हो।

एडुनाउ कंसल्टेंट्स अपने व्यापक भर्ती दृष्टिकोण के माध्यम से खुद को अलग करता है, स्कूलों को उम्मीदवार उपयुक्तता की समग्र समझ प्रदान करने के लिए साइकोमेट्रिक मूल्यांकन, गहन साक्षात्कार और संदर्भ जांच जैसी प्रतिभा मूल्यांकन विधियों को एकीकृत करता है। कंपनी स्कूलों को संगठनात्मक संस्कृति में सुधार करने, नेतृत्व निर्माण और प्रतिभा प्रबंधन तकनीकों को बढ़ाने में मदद करने के लिए अनुकूलित परामर्श भी प्रदान करती है। शिक्षा पर ध्यान केंद्रित करने, एक व्यापक उद्योग नेटवर्क और व्यावसायिकता और नैतिकता के प्रति समर्पण के साथ, एडुनाउ कंसल्टेंट्स के पास सफलतापूर्वक शीर्ष लोगों को नियुक्त करने और व्यक्तिगत समाधान प्रदान करने का ट्रैक रिकॉर्ड है।

संक्षेप में, एडुनाउ कंसल्टेंट्स स्कूलों के लिए एक रणनीतिक भागीदार के रूप में कार्य करता है, जो तेजी से प्रतिस्पर्धी शिक्षा परिदृश्य में उनके विकास और सफलता का समर्थन करने के लिए विशेष भर्ती समाधान और सलाहकार सेवाएं प्रदान करता है। अपनी विशेषज्ञता और उत्कृष्टता के प्रति प्रतिबद्धता के माध्यम से, एडुनाउ कंसल्टेंट्स का लक्ष्य शैक्षणिक संस्थानों को सर्वोत्तम-अनुकूल नेतृत्व और संकाय प्रतिभा के साथ जोड़कर उनकी उन्नति को सुविधाजनक बनाना है।

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CHAPTER 1

INTRODUCTION

CHAPTER 1: INTRODUCTION

In today's dynamic educational landscape, EduNow Consultants is a recruitment and consulting firm dedicated to recruitment needs of leading as well as new and upcoming schools in India and across Asia. The system has three types of user roles, which are EduNow Administrator, School Administrator and the Candidate. The proposed solution makes use of both authorization and authentication to manage user access and send request to the server to provide role-based control to the user. The application requires the user to login with their valid credentials to gain access to the features and functionalities according to their role.

In this project, schools are provided with a comprehensive platform facilitating seamless interaction and management. Once logged in, schools can manage their profile details, list job openings with search and filter options, and even create new job listings or request candidates directly through the platform. Job openings and candidate details are viewable post-approval from EduNow. Additionally, schools can access candidate profiles, monitor their requests, and submit reviews and ratings for EduNow services, enhancing engagement and collaboration within the educational ecosystem.

The candidate profile page empowers individuals to maintain and update their information, providing transparency through the last profile update date. The "All Jobs" section presents a diverse array of job openings, facilitating search and filtering based on various criteria like position, school name, experience, and salary expectations, with options to view or apply for listings. Additionally, the platform offers insights into individual job details, allowing for direct application and exploration of similar opportunities. Candidates can manage their applied jobs efficiently through the "My Jobs" page, with the ability to revoke applications if necessary. Furthermore, features like viewing school profiles, browsing job listings, and submitting reviews and ratings contribute to a holistic job-seeking experience. Terms and conditions, privacy policies, and testimonials sections ensure clarity and transparency, fostering trust and engagement within the platform.

The admin can create, view, update, and delete candidate profiles, schools, job postings, and testimonials, ensuring data accuracy and integrity. Additionally, the ability to approve or reject school registrations and job applications contributes to maintaining quality standards. With features like filtering and selecting candidate details for sharing, the admin ensures transparent and controlled communication between schools and candidates. Overall, these features empower the EduNow Admin to effectively oversee and optimize the platform's functionality, fostering a seamless experience for all users.

1.1 PROBLEM IDENTIFICATION

Educational institutions often struggle to find and retain top-tier leadership and faculty talent, impacting their ability to achieve their academic goals and long-term vision. The traditional recruitment process in the education sector may lack efficiency and fail to adequately assess candidates' suitability for key roles, leading to mismatches and turnover. Schools require a specialized recruitment partner with a deep understanding of the unique challenges and requirements of the education sector to ensure the identification and connection of exceptional talent. The evolving nature of the education landscape demands innovative approaches to recruitment and talent management for schools seeking to thrive and adapt in a competitive environment. Schools may struggle to keep pace with industry trends and best practices in talent acquisition and management without access to specialized expertise and resources.

Schools require specific skillsets and qualifications for key roles such as teachers, administrators and support staff. General recruitment websites may not attract the right audience with the necessary expertise in education. Specialized platform like EduNow allow schools to highlight these requirements prominently. This can lead to more targeted and meaningful connections between schools and potential candidates.

We conduct thorough executive searches to identify and recruit top-tier candidates for key leadership roles in schools, such as principals, headmasters, directors, and administrators. We provide number of job openings to our users so that they can apply according to their skills sets, location and experience. And also, they can revoke their applications if they are no longer interested in that particular opening. Candidates can showcase their skills, expertise and experience by managing their user profile timely in order to get noticed by the recruiter. Institutions situated at different region or location can post/publish any job opening as per their requirement and can shortlist the suitable candidates for the same.

In addition to recruitment services, we offer consultation and advisory services to assist schools in enhancing their talent management strategies, leadership development programs, and organizational culture.

1.2 ABOUT ORGANIZATION

VisionClara IT Firm was founded on a commitment to excellence and a passion for harnessing technology to drive positive change. The company's mission revolves around transforming clients' visions into tangible, innovative, and scalable technological solutions.

Diverse Range of IT Solutions: VisionClara stands out for its ability to cater to a broad spectrum of information technology needs. The company specializes in providing end-to-end solutions across

various domains, including web and mobile application development, cloud computing, cybersecurity, data analytics, and more.

Successful Product Deliveries: Over the past three years, VisionClara IT Firm has achieved notable success in delivering impactful products across different sectors. These achievements reflect the company's dedication to understanding client needs and delivering solutions that not only meet but exceed expectations.

Client-Centric Approach: At the core of VisionClara's ethos is a strong commitment to client satisfaction. VisionClara's client-centric approach ensures that every solution is tailor-made to address specific business needs, resulting in high levels of client satisfaction and repeat business.

Innovative Team: VisionClara IT Firm attributes its success to a team of highly skilled and innovative professionals. From seasoned developers and designers with a keen understanding of industry trends, the team at VisionClara brings a wealth of expertise to every project.

Future Roadmap: As VisionClara IT Firm looks towards the future, the company remains committed to pushing technological boundaries and adapting to emerging trends. With a focus on continual innovation, VisionClara aims to stay at the forefront of the IT industry, anticipating and meeting the evolving needs of its clients.

1.3 HARDWARE AND SOFTWARE SPECIFICATIONS

1.3.1 HARDWARE SPECIFICATION:

- Processor: Intel Core i3 or higher or equivalent.
- Processor Speed: 2.12 GHz.
- RAM: 4 GB or above.
- Hard Disk Space: At least 1 GB of free space.
- Network: Internet speed of 2 Mbps or above.

1.3.2 SOFTWARE SPECIFICATION:

- Operating System: Windows 10 (64-bit) or above.
- Web Browsers: Google Chrome, Mozilla Firefox, Microsoft Edge, Safari latest version or any other browser.
- Code Editor: Visual Studio Code.

- Tools: Postman, MongoDB Compass, Eraser.io, Figma, GitHub, Discord.
- NextJS: Version 13.5.6 or later.
- NodeJS: Version 20.10.0 or later.
- ExpressJS: Version 4.16.1 or later.
- Performant Node Package Manager: Version 18.14.1 or later.
- TypeScript: Version 5.1.3 or later.
- Tailwind CSS: Version 3.3.2 or later.
- MongoDB: Version 6.0 or later.

1.3.3 TECHNOLOGY USED:

EduNow Consulting Services is a project that is designed and developed using the technology stack includes NextJS, NodeJS, MongoDB and ExpressJS. The system uses these technologies to provide a scalable, efficient and user-friendly platform for users to delivers distinct recruitment solutions and offer advisory services to help schools to attract the most qualified candidates who align with their values and long-term goals.

- **Frontend:** NextJS, TypeScript, Tailwind CSS, Shadcn UI.
- **Backend:** NodeJS, ExpressJS.
- **Database:** MongoDB, Firebase.

CHAPTER 2

SYSTEM ANALYSIS

CHAPTER 2: SYSTEM ANALYSIS

2.1 PROBLEM ANALYSIS

The purpose of problem analysis is to identify the challenges faced by the current recruitment systems for the schools and propose a solution in the form of a new recruitment platform. The current recruitment process faces several challenges such as delays and errors due to manual process of job applications, candidate screening and communication between schools and candidates. Candidates face challenges in finding suitable job opportunities within the education sector due to the lack of dedicated platforms tailored to their needs. This decentralized approach leads to inefficiencies, inconsistencies, and difficulties in managing candidate and job data. Existing job portals might not effectively cater to the unique requirements of educational roles as well as do not provide consulting and advisory services. As a result, candidates may miss out on relevant opportunities and struggle to navigate the complex recruitment landscape. This new recruitment platform can address these challenges and improve the overall efficiency and effectiveness.

EduNow wants to offer jobseekers and educational institutions a consolidated platform that makes the hiring process easier. EduNow makes it simple for applicants to find relevant career opportunities by compiling job ads from several institutions and providing sophisticated search and filtering tools. Three levels of users can view the platform: Candidates, School Administrators, and EduNow Administrators.

- EduNow Admin can manage candidates, school, job posts, job applications, requests, testimonials and expert speak.
- School Admin can manage school profile, create job postings, can view previously posted jobs and can manage applicants.
- Candidates can manage their profile, can see all job postings, can view and revoke their applied jobs and can rate and review the whole recruitment process on the platform.

The platform is user friendly and can give all the relevant details according to the filters available or applied. It can help to revolutionize the recruitment process for educational institutions, enabling them to attract, identify and onboard top talent more effectively and efficiently.

2.2 FEASIBILITY STUDY

A feasibility study assesses the practicality, potential and success of a proposed system by evaluating various factor such as technical, economical and behavioural. It aims to determine whether the project is viable, sustainable and achievable within the constraints of resources, time and regulations.

2.2.1 ECONOMICAL FEASIBILITY:

The economic feasibility of the EduNow project has been thoroughly evaluated, considering both initial costs and ongoing expenses. Initial costs encompass the development of the digital platform, procurement, and installation of necessary equipment, as well as staff training. Ongoing costs involve maintenance and upgrades to hardware and software, alongside continual staffing expenses. The approximate cost of this project is around 1 lakh Indian rupees, which is quite reasonable given the benefits that the system provides. However, when we weigh these costs against the benefits, like making recruitment easier and more secure, saving money by automating tasks, and reducing the risk of security problems, it's clear that the project will make financial sense in the long run. By investing in EduNow, schools can expect to save time and money while making their recruitment processes smoother and safer.

2.2.2 TECHNICAL FEASIBILITY:

The proposed system is build using technology stack includes NextJS, NodeJS, ExpressJS and MongoDB which is a popular and widely used technology stack for building modern web applications. It provides developers with a comprehensive set of tools and libraries for building scalable and robust web applications.

MongoDB is a NoSQL database that provides high-performance data storage and retrieval capabilities, while ExpressJS is a web application framework that provides developers with the necessary tools to build web applications using NodeJS.

NextJS is React framework that enables server-side rendering, providing improved performance and search engine optimization (SEO). It simplifies the creation of dynamic web applications by handling routing, code-splitting, and hot module reloading out of the box. With built-in support for APIs and serverless functions, Next.js facilitates seamless integration with backend services and deployment to platforms like Vercel.

The application's capabilities are increased when Firebase is integrated into the stack since it provides strong backend services including cloud storage, real-time database, and authentication. In addition, scalable and dependable object storage for storing static assets is provided via AWS S3 Bucket. Figma facilitates design and collaboration, which expedites the UI/UX design process. To ensure seamless connection between frontend and backend components, Postman is used for API development and testing. The version control system is called GitHub, and it facilitates smooth deployment operations and cooperative development.

Together, this comprehensive technology stack empowers the project with robustness, scalability, and efficient development workflows.

2.2.3 BEHAVIOURAL FEASIBILITY:

Behavioral feasibility for the EduNow project involves assessing whether the intended users, including candidates, schools, and administrators, will be willing and able to adopt and effectively use the platform. This assessment considers factors such as user attitudes, perceptions, preferences, and capabilities.

Firstly, it is essential to understand the needs and preferences of the target users. For candidates, the platform should offer an intuitive interface that simplifies the job search and application process. Candidates should find the platform easy to navigate, with clear instructions and prompts guiding them through each step. Similarly, schools and administrators should find the platform user-friendly, with features and functionalities that align with their recruitment processes and objectives.

Additionally, behavioral feasibility involves assessing the willingness of users to embrace change and adopt new technologies. Therefore, effective communication and training programs will be essential to encourage user acceptance and adoption of the EduNow platform. Providing comprehensive training resources, ongoing support, and advisory services for early adopters can help build confidence among users.

In conclusion, by offering a user-friendly interface, clear benefits, effective communication and training, and flexibility to accommodate diverse needs, the platform can foster widespread acceptance and adoption among candidates, schools, and administrators, ultimately leading to its success.

2.3 DATA FLOW DIAGRAM (DFD)

2.3.1 CONTEXT LEVEL OR LEVEL 0 DFD

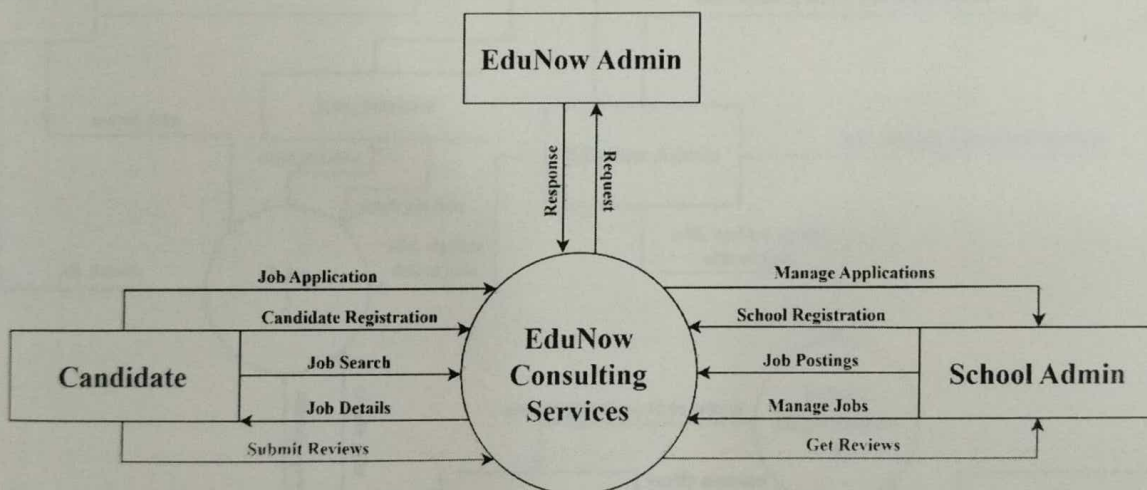


Figure 1 Context Level or Level 0 DFD

2.3.2 LEVEL 1 DFD

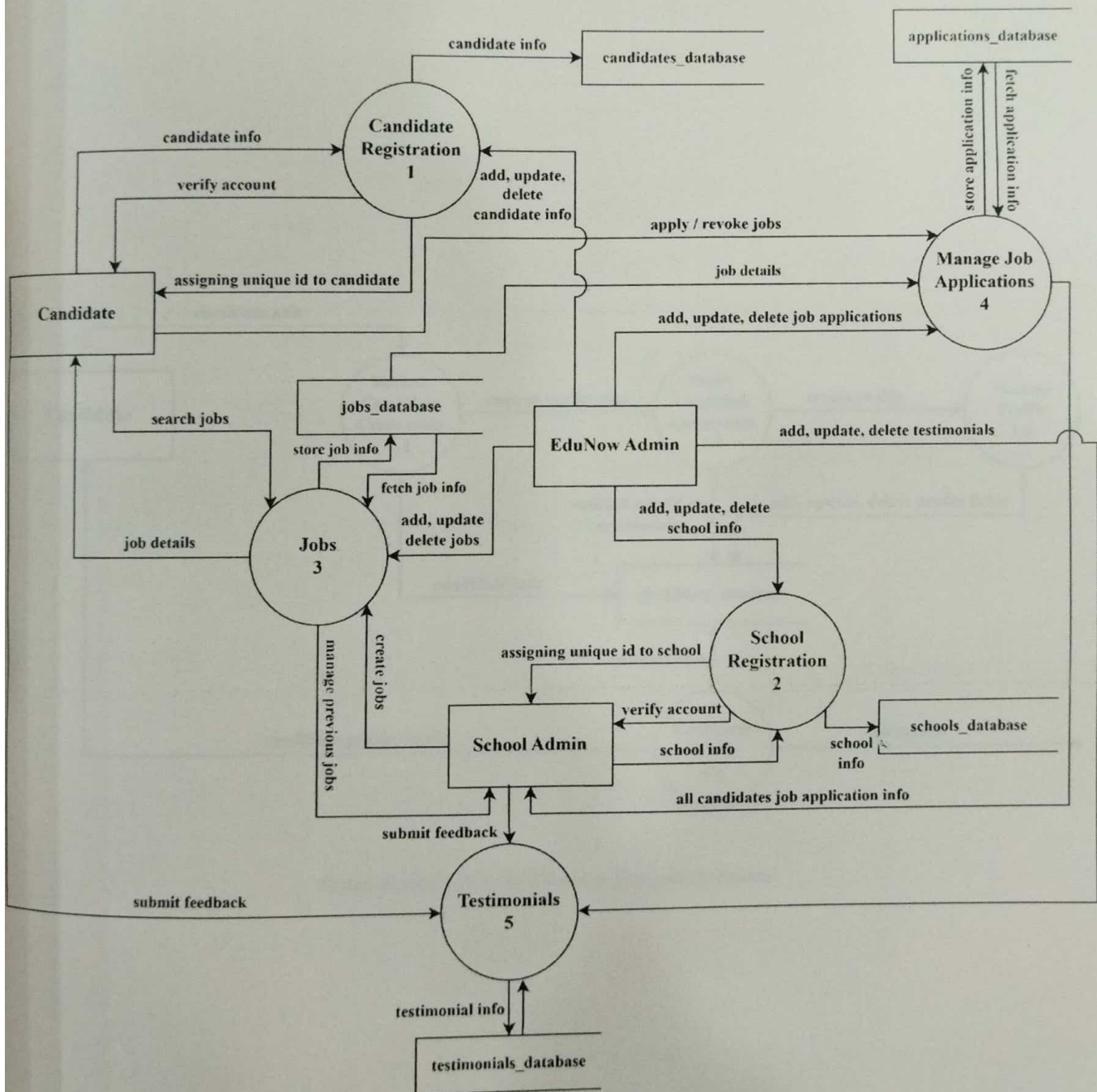


Figure 2 Level 1 DFD

2.3.3 LEVEL 2 DFD FOR CANDIDATE REGISTRATION PROCESS

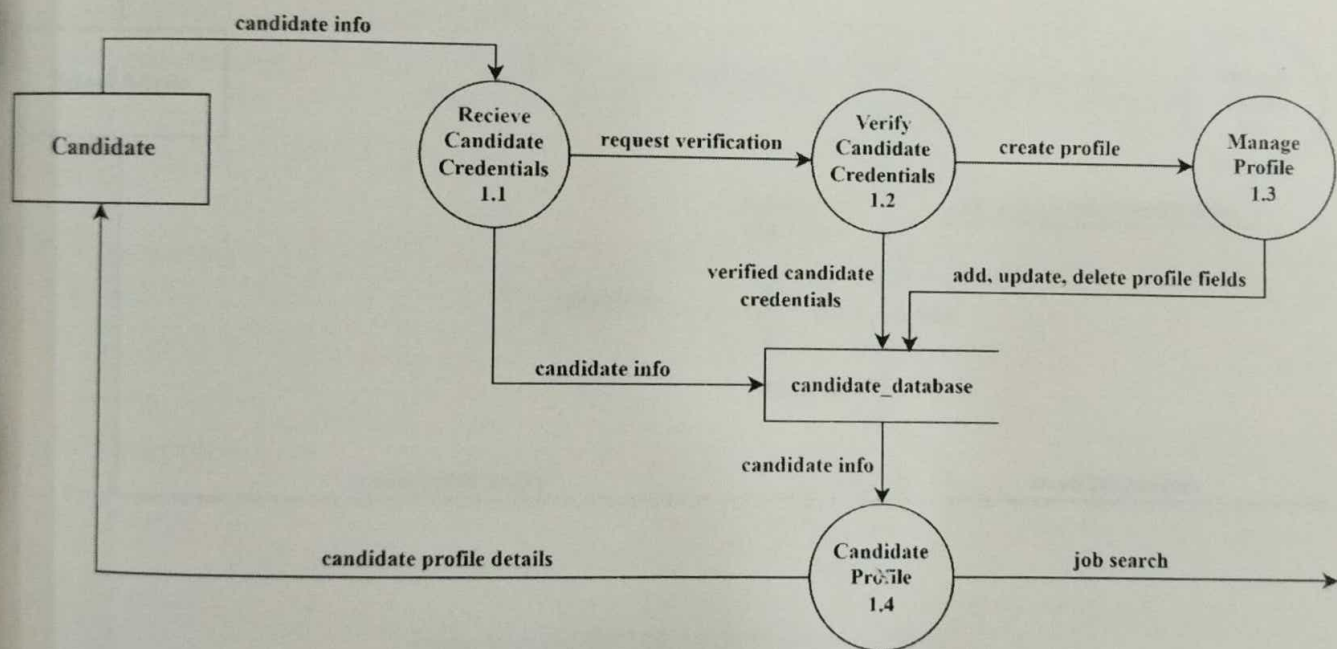


Figure 3 Level 2 DFD for Candidate Registration Process

2.3.4 LEVEL 2 DFD FOR SCHOOL REGISTRATION PROCESS

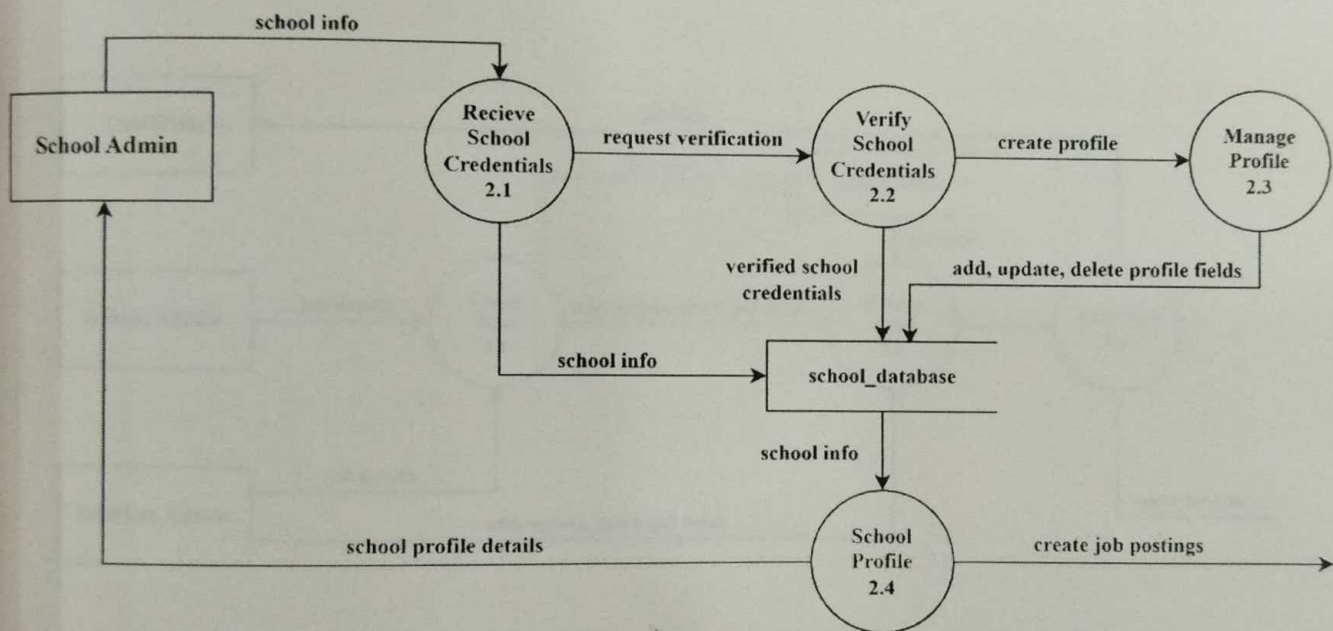


Figure 4 Level 2 DFD for School Registration Process

2.3.5 LEVEL 2 DFD FOR JOBS PROCESS

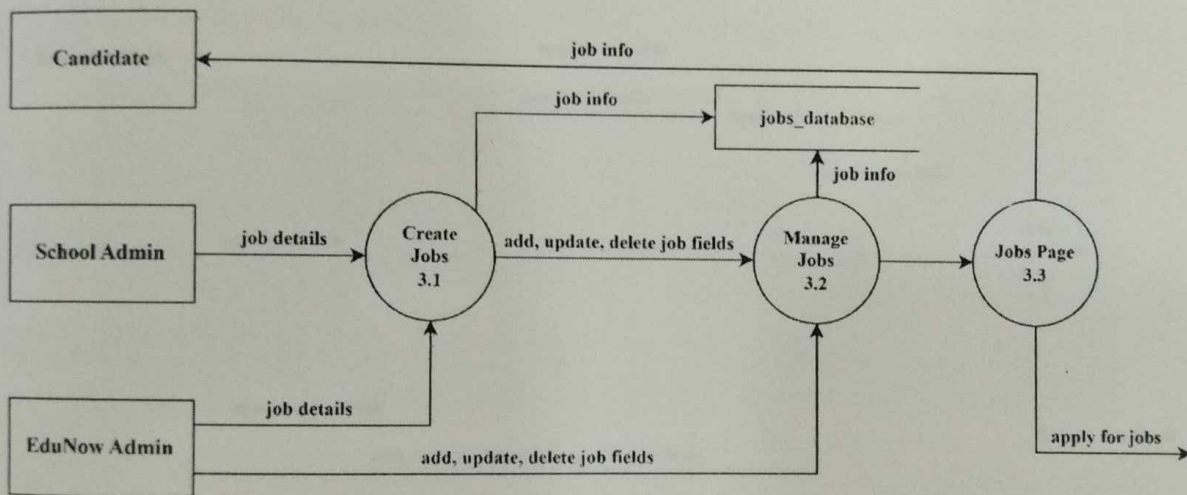


Figure 5 Level 2 DFD for Jobs Process

2.3.6 LEVEL 2 DFD FOR JOBS APPLICATION PROCESS

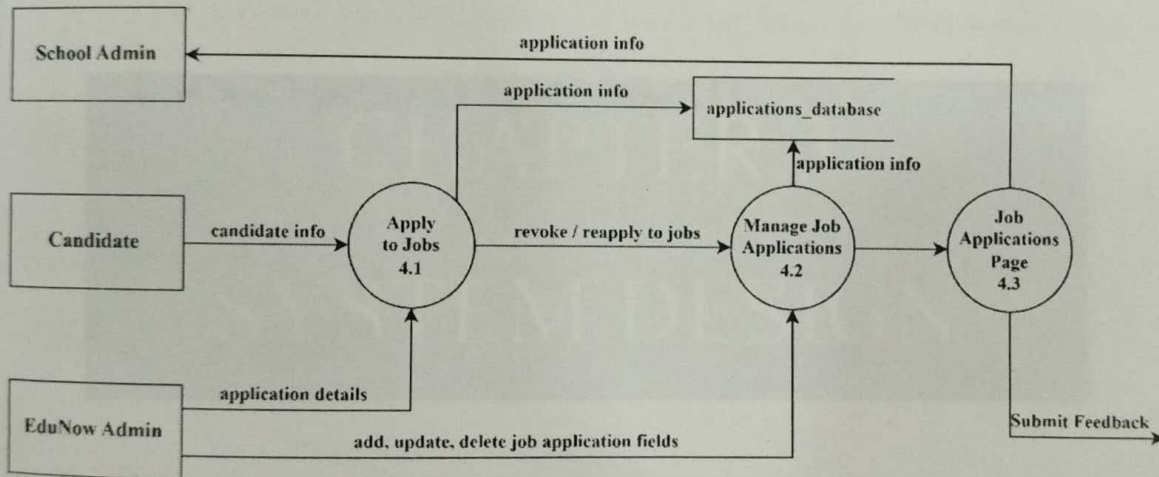


Figure 6 Level 2 DFD for Jobs Application Process

CHAPTER 3 SYSTEM DESIGN

UML CASE DIAGRAM

UML CASE DIAGRAM FOR STUDENT LISTER

CHAPTER 3 SYSTEM DESIGN

CHAPTER 3: SYSTEM DESIGN

3.1 USE CASE DIAGRAM

3.1.1 USE CASE DIAGRAM FOR EDUNOW ADMIN

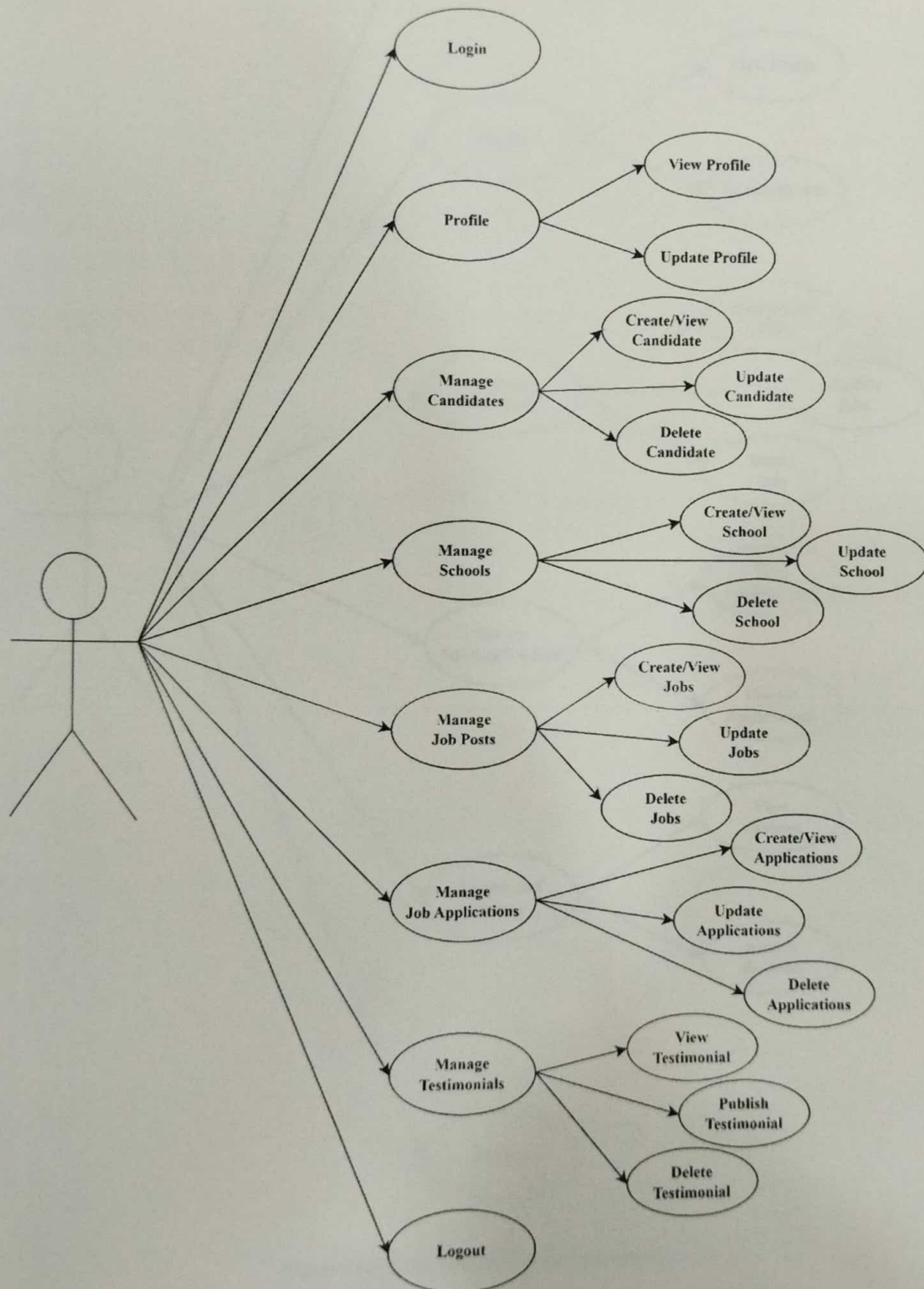


Figure 7 Use Case Diagram for EduNow Admin

3.1.2 USE CASE DIAGRAM FOR SCHOOL ADMIN

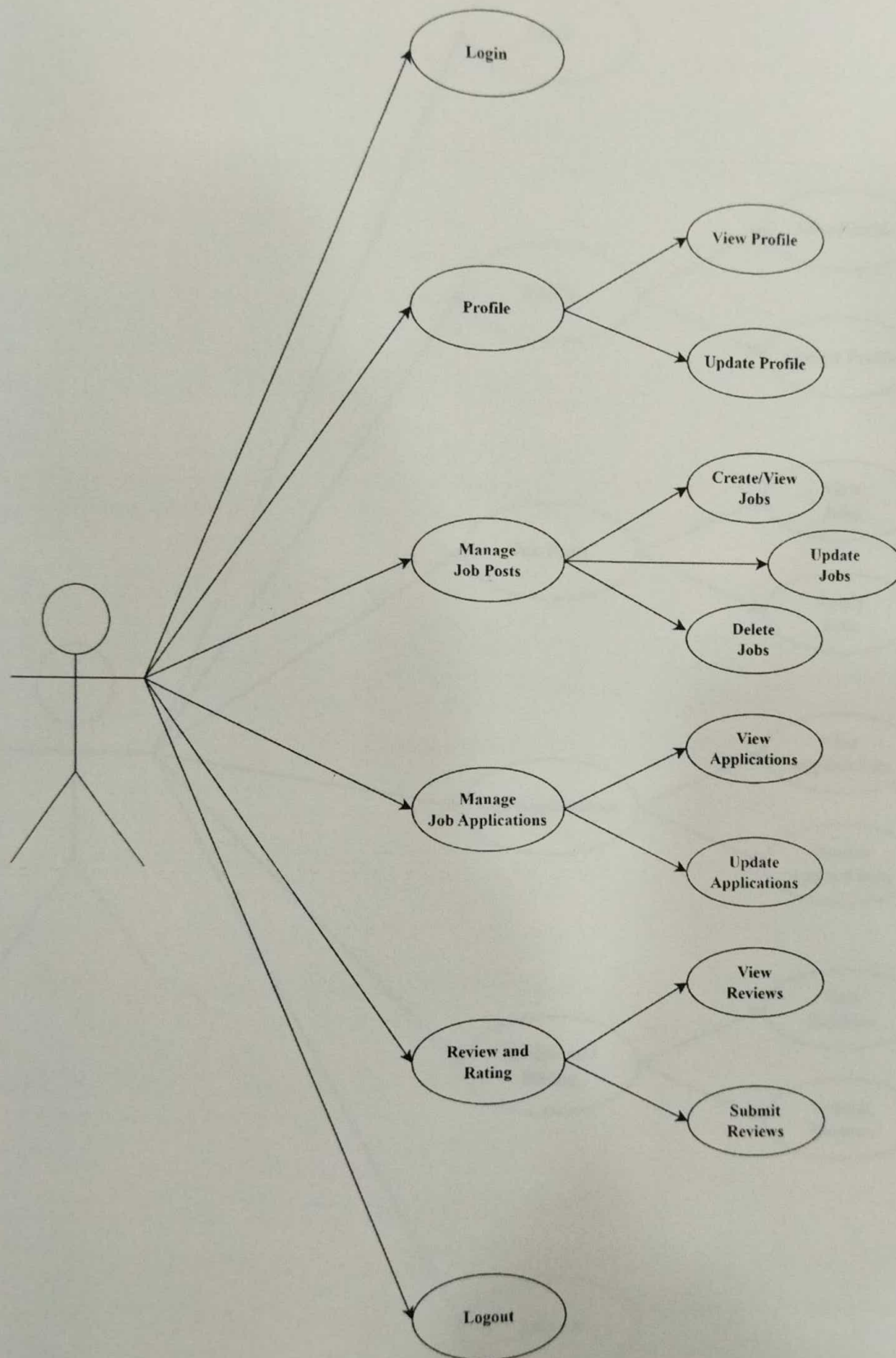


Figure 8 Use Case Diagram for School Admin

3.1.3 USE CASE DIAGRAM FOR CANDIDATE

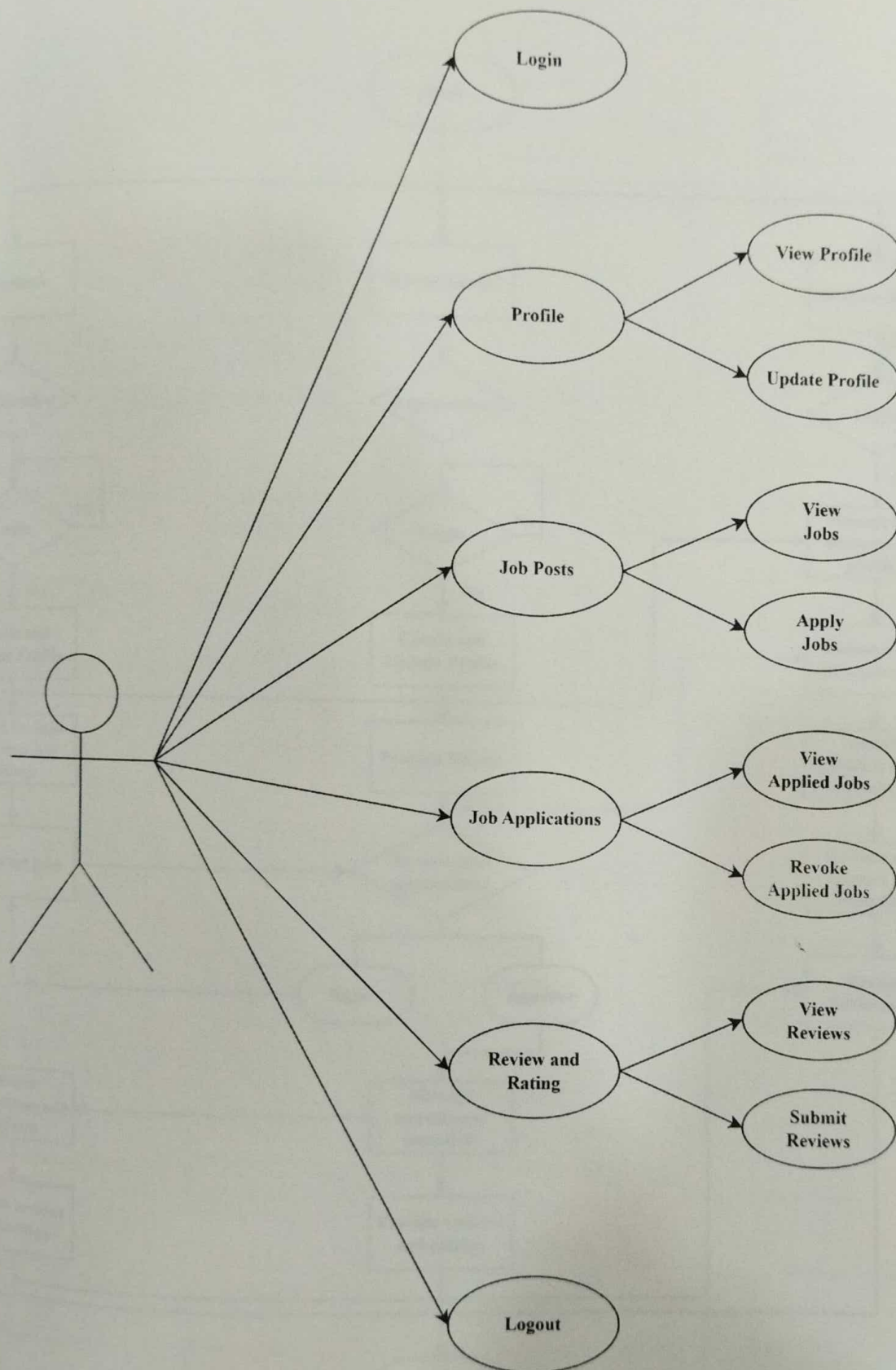


Figure 9 Use Case Diagram for Candidate

3.2 SYSTEM FLOW CHART

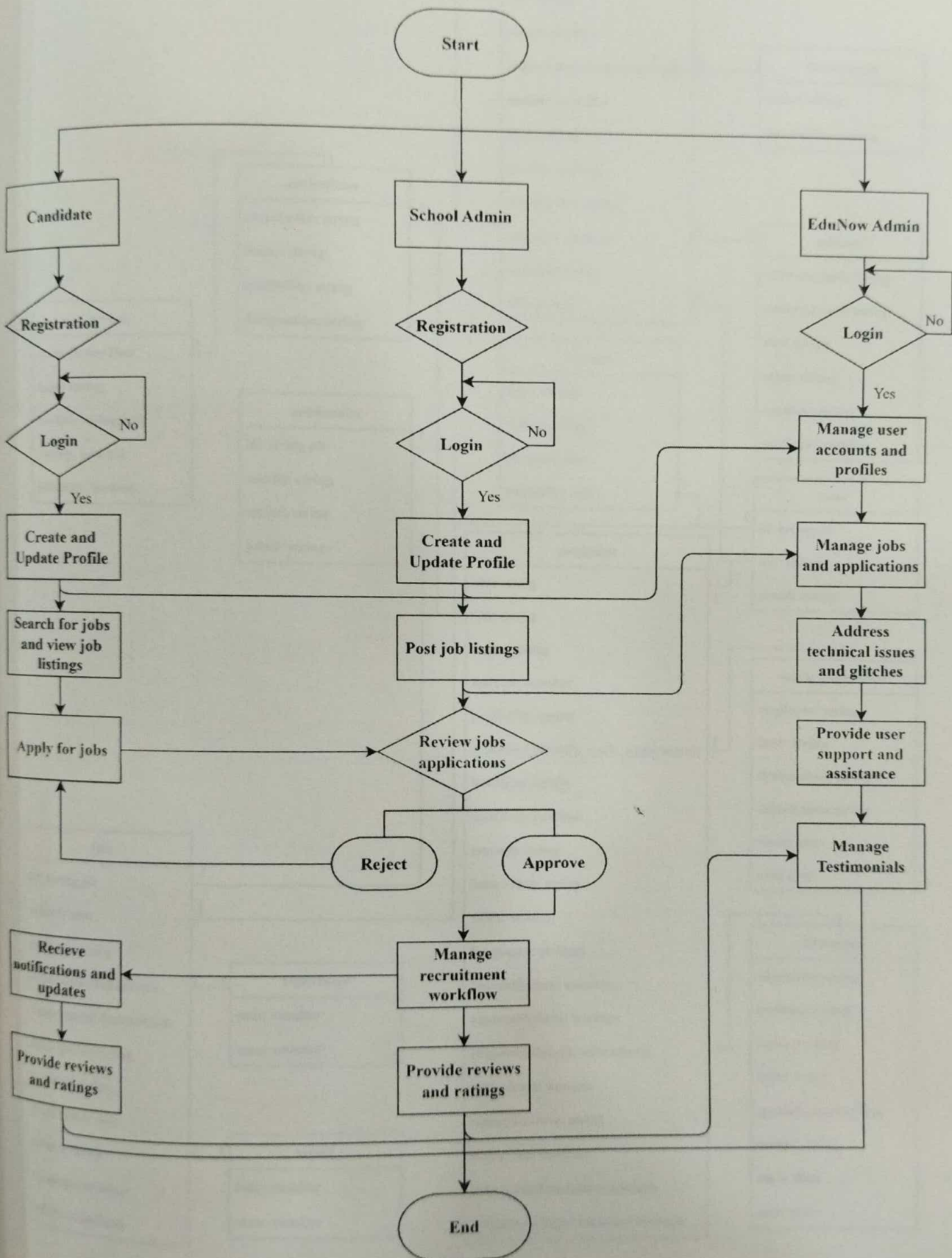


Figure 10 System Flow Chart

3.3 DATABASE DESIGN

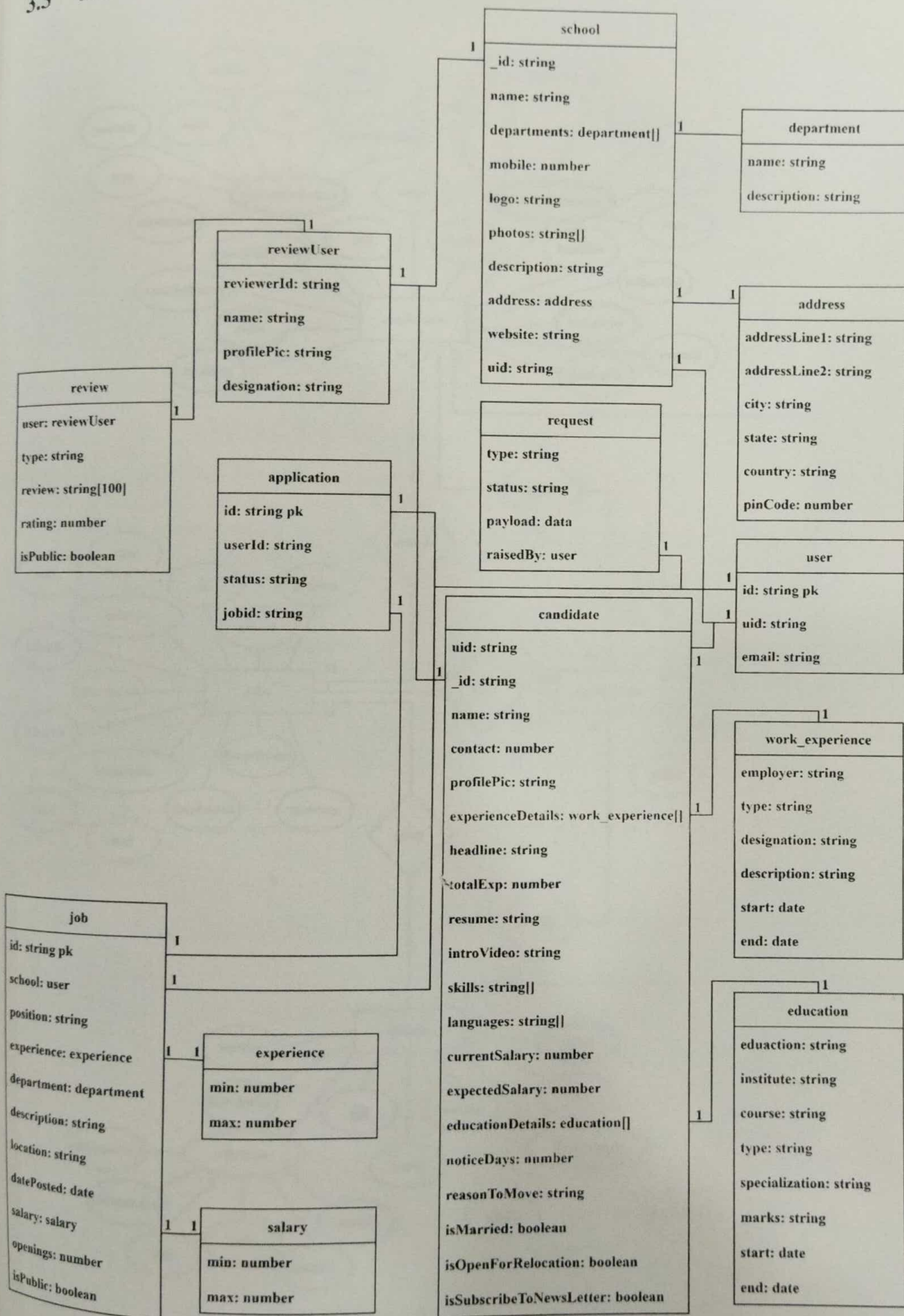


Figure 11 Database Design

3.4 ENTITY RELATIONSHIP DIAGRAM

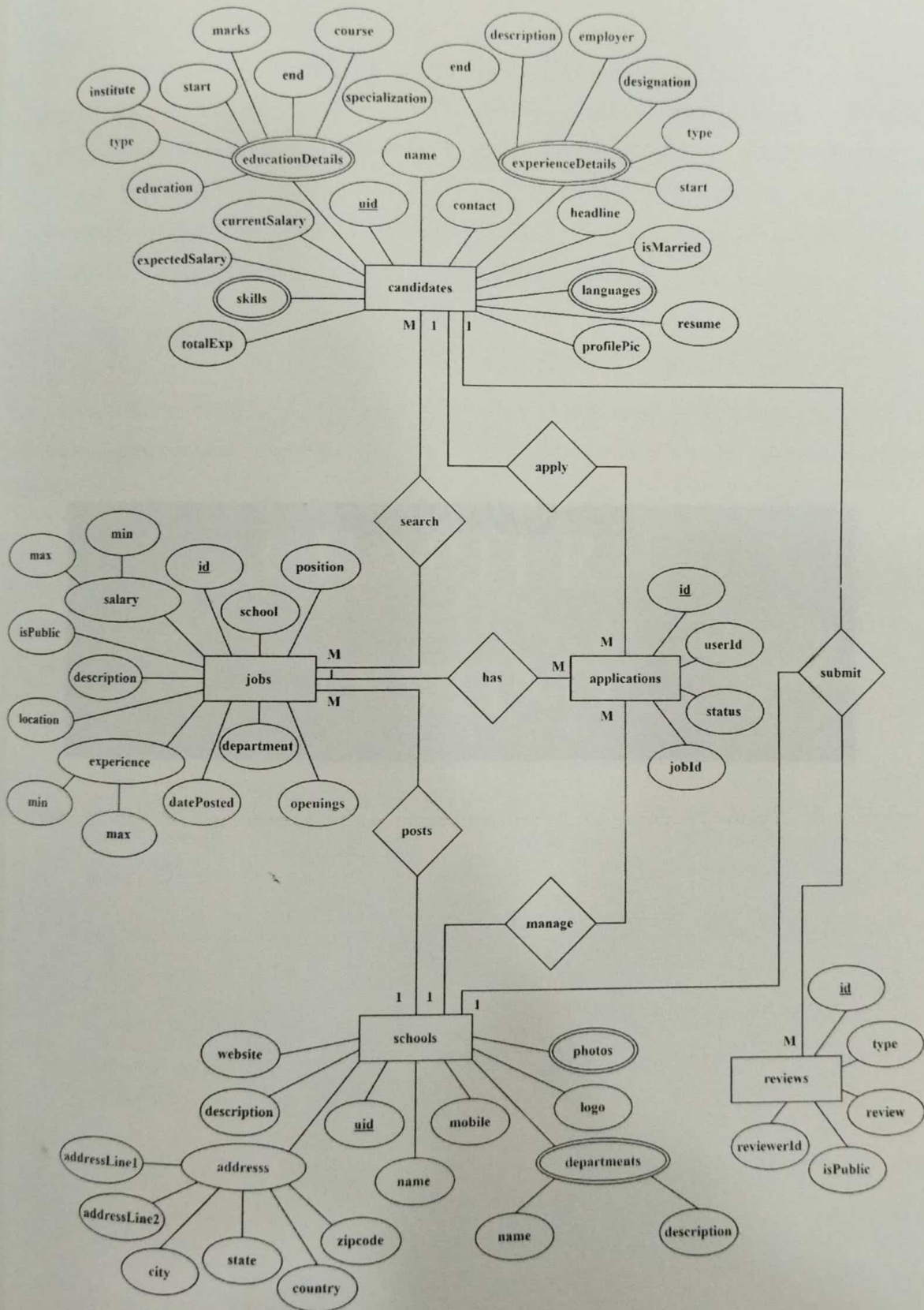


Figure 12 Entity Relationship Diagram

CHAPTER 4

TESTING

CHAPTER 4: TESTING

Testing is the process of assessing a system or program to find flaws, faults, malfunctions, and other problems that could compromise its functionality, quality, or dependability. It involves assessing the application's intended and actual results, as well as executing it in a controlled environment to ensure that it operates as expected. Testing's primary goal is to confirm that the program satisfies the needs and guidelines provided by its clients or users and that it operates consistently, dependably, and effectively to carry out the functions for which it was created. Thus, in order to determine whether the produced system satisfies the criteria, we are employing three testing methodologies.

4.1 UNIT TESTING

The main part of the testing process is unit tests. In order to verify that the code components or units perform as expected and meet their intended requirements, it involves testing individual code components or units. For EduNow project following units have been tested individually:

Table 1 Unit Testing

Test Case ID	Test Case Description	Action	Expected Result	Actual Result	Pass/Fail
UT01	Test login functionality with valid email and password.	Enter valid email and password and click login button.	User logged in successfully.	User logged in successfully.	Pass
UT02	Test login functionality with invalid email and password.	Enter invalid email and password and click login button.	Error message displayed: "Invalid Credentials".	Error message displayed: "Invalid Credentials".	Pass

UT03	Test user registration page.	<ol style="list-style-type: none"> 1. Register with google or email. 2. If a user registers with email, he/she will get an email verification mail. 3. Fill form with details. 	User navigated to the login page successfully.	User navigated to the login page successfully.	Pass
UT04	Test update user profile.	<ol style="list-style-type: none"> 1. View profile. 2. Update user profile. 3. Click save button. 	Profile updated successfully.	Profile updated successfully.	Pass
UT05	Test candidate job application process.	<ol style="list-style-type: none"> 1. View and search jobs. 2. Select particular job and click apply. 3. View applied job applications. 	Applied to jobs successfully and able to see applied job applications.	Applied to jobs successfully and able to see applied job applications.	Pass
UT06	Test create job openings by school.	<p>School admin can create any new job opening with the required fields.</p> <p>OR</p> <p>School admin can directly request candidates for any position from EduNow Team.</p>	Jobs created successfully.	Jobs created successfully.	Pass
UT07	Test update or delete job opening by school.	<ol style="list-style-type: none"> 1. Display all jobs with their job details. 2. School admin can update or delete jobs. 3. Any updates on job opening details will be visible to candidates only after approval from EduNow Teams. 	Jobs updated or deleted successfully.	Jobs updated or deleted successfully.	Pass

UT08	Test users review submissions.	1. User fill the review form with the required details. 2. Click submit.	Reviews submitted successfully.	Reviews submitted successfully.	Pass
------	--------------------------------	---	---------------------------------	---------------------------------	------

4.2 INTEGRATION TESTING

In order to make sure that the many modules, parts, and systems within the platform work properly when integrated together, integration testing for the EduNow project include testing the interfaces and interactions between them. Integration testing's goals are to confirm that each component functions as intended and to find any flaws or problems that might result from the interactions of different parts.

4.2.1 INTEGRATION TESTING FOR EDUNOW ADMIN

Table 2 Integration Testing for EduNow Admin

Test Case ID	Test Case Description	Action	Expected Result	Actual Result	Pass/Fail
ITEA01	Verify that the school record added to the system.	1. Navigate to the school profile. 2. Check for the entered data.	School data is recorded correctly in the system.	School data is recorded correctly in the system.	Pass
ITEA02	Verify that the candidate record added to the system.	1. Navigate to the candidate profile. 2. Check for the entered data.	Candidate data is recorded correctly in the system.	Candidate data is recorded correctly in the system.	Pass

ITEA03	Verify that all the job posts by the schools are recorded in the system.	1. Navigate to view all job page. 2. Check that all the job posts are listed.	Jobs data is recorded correctly in the system.	Jobs data is recorded correctly in the system.	Pass
ITEA04	Verify that all the job applications by the candidates are visible.	1. Navigate to all applications page. 2. Check that all the applications are listed.	All the job applications are recorded correctly in the system.	All the job applications are recorded correctly in the system.	Pass
ITEA05	Verify that all the requests by the school are visible to the admin.	1. Navigate to the requests page. 2. Select the request. 3. Respond to the request.	Requests are visible and Response sent to the schools successfully.	Requests are visible and Response sent to the schools successfully.	Pass
ITEA06	Verify that all the reviews by the schools and candidates are visible to the admin.	1. Navigate to the testimonial page. 2. Publish the testimonial on the system. 3. Check that all the testimonials are listed.	All the testimonials are publicly visible.	All the testimonials are publicly visible.	Pass

4.2.2 INTEGRATION TESTING FOR SCHOOL ADMIN

Table 3 Integration Testing for School Admin

Test Case ID	Test Case Description	Action	Expected Result	Actual Result	Pass/Fail
ITSC01	Verify that the new school record is added to the system.	1. Enter new school details in the school registration form. 2. Submit form.	School record is added correctly to the system.	School record is added correctly to the system.	Pass

ITSC02	Verify that the duplicate school records should not be added to the system.	1. Enter an existing school's details in the school registration form. 2. Submit form.	Alert is displayed with the message "School Already Exists" and record is not added to the system.	Alert is displayed with the message "School Already Exists" and record is not added to the system.	Pass
ITSC03	Verify that all the job posts by the particular school are recorded in the system.	1. Navigate to school's jobs page. 2. Check that all the job posts by the particular school are listed.	School's jobs data is recorded correctly in the system.	School's jobs data is recorded correctly in the system.	Pass
ITSC04	Verify that all the job applications by the candidates of that particular school are visible.	1. Navigate to school's job applications page. 2. Check that all the school's job applications are listed.	All the school's job applications are recorded correctly in the system.	All the school's job applications are recorded correctly in the system.	Pass

4.2.3 INTEGRATION TESTING FOR CANDIDATE

Table 4 Integration Testing for Candidate

Test Case ID	Test Case Description	Action	Expected Result	Actual Result	Pass/Fail
ITCT01	Verify that the new candidate record is added to the system.	1. Enter new candidate details in the candidate registration form. 2. Submit form.	Candidate record is added correctly to the system.	Candidate record is added correctly to the system.	Pass

ITCT02	Verify that the duplicate candidate records should not be added to the system.	1. Enter an existing candidate's details in the candidate registration form. 2. Submit form.	Alert is displayed with the message "Email Already Exists" and record is not added to the system.	Alert is displayed with the message "Email Already Exists" and record is not added to the system.	Pass
ITCT03	Verify that all the job posts by the schools are visible to the candidate.	1. Navigate to all jobs page. 2. Check that all the job posts by the schools are listed.	All the jobs' data is recorded and displayed correctly to the candidate.	All the jobs' data is recorded and displayed correctly to the candidate.	Pass
ITCT04	Verify that all the job applications by the candidates are visible.	1. Navigate to my jobs page. 2. Check that all the applied jobs are listed. 3. Candidate can see the revoke option.	All the job applications of the candidate are recorded and displayed correctly to the candidate.	All the job applications of the candidate are recorded and displayed correctly to the candidate.	Pass
ITCT05	Verify that school's information is visible to the candidate.	1. Navigate to the view school page of the particular school. 2. Candidate can see the complete details of that particular school.	School details are displayed correctly to the candidate.	School details are displayed correctly to the candidate.	Pass

4.3 VALIDATION TESTING

Validation testing for the EduNow project involves verifying that the system meets the specified requirements and functions correctly in the real-world environment. This testing ensures that the EduNow platform behaves as expected, provides accurate results, and delivers a satisfactory user experience.

The validation testing process begins by confirming that all user interactions, such as login, registration, profile creation, and job search, work smoothly and without errors. Each feature and functionality of the platform is tested thoroughly to ensure that it performs as intended and meets user expectations. For example, validation testing checks whether candidates can successfully apply for jobs, schools can create job postings, and administrators can manage user accounts and content effectively.

Additionally, validation testing assesses the platform's functionality in various scenarios, such as periods of high utilization and concurrent user interactions. Through testing, it is ensured that even under conditions of significant traffic or activity, the EduNow platform will remain responsive, reliable, and scalable. To find any performance bottlenecks or restrictions, performance indicators including response times, load times, and system resource utilization are evaluated and analysed.

To further guarantee that the platform is usable by a variety of users, validation testing further evaluates compatibility with various operating systems, browsers, and devices. Regardless of the user's preferred device or browser, compatibility testing ensures that the platform appears accurately and operates consistently across a range of platforms and devices.

CHAPTER 5

IMPLEMENTATION

CHAPTER 5: IMPLEMENTATION

Firstly, we need to install some IDE software for implementing our project which are as follows:

i. **Visual Studio Code –**

- Visit <https://visualstudio.microsoft.com/downloads/>, the official Visual Studio website.
- Choose the version of Visual Studio you wish to install by clicking the "Download" button.
- Select the tools, frameworks, and languages that you wish to install.
- Press the "Install" button to begin the installation procedure.
- Follow the installation wizard and select the options that suit your needs.

ii. **MongoDB –**

- Go to official MongoDB website: <https://www.mongodb.com/try/download/community>.
- Select the appropriate version of MongoDB community edition, your system architecture and the package type.
- Click on the "Download" button to start the download.
- Once the download is complete, run the installer. Choose the "Complete" installation type for a typical installation with default settings.
- Make sure to select the option to install MongoDB Compass and MongoDB as a Windows service so that it starts automatically.

iii. **NodeJS –**

- Go to the official Node.js website: <https://nodejs.org/en/download/>.
- Select the appropriate version of Node.js for your operating system (e.g., Windows, macOS, or Linux).
- Click on the "Download" button to start the download.
- Once the download is complete, run the installer. Follow the installation wizard and select the options that suit your needs.

After the installation is finished, you can verify that Node.js is installed correctly by opening a terminal or command prompt and typing `node -v`. This ought to show the most recent version of Node.js that you installed.

Below are the steps of implementation after installing all the essential software required for the development:

1. Create GitHub Account.

2. Set up the project:

- Clone the GitHub repository of the project.
- Navigate to the project directory in the terminal or command prompt.
- Run the command `pnpm install` to install the project dependencies such as React, Next, Express, Nodemon, Mongoose etc.
- This will install all the required packages mentioned in the project's `package.json` file.

3. Configure Environment Variables:

- Create a `.env` file in the root directory of the project.
- Add necessary environment variables such as database connection URL, API keys, Firebase Keys and email configuration details.
- Refer to the project documentation or configuration files to determine the required environment variables.

4. Set up the database:

- Select the cluster where you want to create the new database or create a new cluster if needed.
- In MongoDB Atlas, we need to whitelist the IP address from which we will be accessing the database.
- Update the `.env` file with the appropriate database connection URL or connection string.
- Verify that MongoDB Compass is running.

5. Start the Frontend:

- In the terminal or command prompt, navigate to the project's frontend directory.
- Run the command `pnpm install` to install frontend dependencies.

- Execute the command `pnpm run dev` to run the frontend server.

6. **Start the Server or backend:**

- In the terminal or command prompt, navigate to the project's backend directory.
- Run the command `pnpm install` to install backend dependencies.
- Run the command `pnpm run dev` to start the server.
- If you want automatic server restart on file changes during development, you can use `nodemon` in `pnpm` script.


7. **Access the application:**

- Open a web browser.
- Enter `http://localhost:3000` (or the specified port if different) in the address bar.
- The EduNow Consultants application should load in the browser, and you can now interact with it.


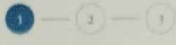
CHAPTER 6

SAMPLE FORMS AND REPORTS

CHAPTER 6: SAMPLE FORMS AND REPORTS




Home About Us Our Schools Our Services Register As Teacher Contact Us




Create an account


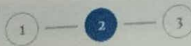
Already have an account? Sign In

 Continue with Google

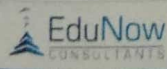
OR





Home About Us Our Schools Our Services Register As Teacher Contact Us



Please verify your email ayushipranjal826@gmail.com.
We have sent an email verification link to your email address.



Home About Us Our Schools Our Services Register As Teacher Contact Us



Email Verified

ayushipranjal826@gmail.com is verified. Please continue registration.

1 — 2 — 3

Personal Information

Ayushi Saxena

9179559320

1

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Principal

AYUSHI SAXENA RESUME

Submit

Forget Password

Enter your registered email

ayushisaxena1619@gmail.com

Submit

QUICK LINKS

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Good Work

★★★★★

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

Feedback



Ayushi Saxena

Experience - 1 Years



 AYUSHI SAXENA 

Contact Details



Contact

9179559170

Email

ayushigranja1826@gmail.com

Work Experience



No Experience Added

Skills



No Skills Added

Education



No Education Added

Languages



No Languages Added

Additional Questions



Position you are looking for?

Principal

What is your current salary? (If applicable)

Rs 600000

What is your salary expectation?

Reasons behind your decision to move? (If applicable)

What is your notice period in days? (If applicable)

Are you open for relocation?

Are you married?

Edit Profile

Name

Ayushi Saxena

Headline

I am a passionate full stack developer.

Total Experience

1

Cancel

Save

Add Experience

Employer

VisionClara

Employment Type

INTERSHIP

Designation

Full Stack Developer

Start Date

01/01/2024

End Date

30/04/2024

Description

Internship

Cancel

Add

Edit Skills

Enter Skills

React, Node, HTML, CSS, Next, MongoDB, C/C++, MySQL, DSA

Cancel

Save

No Skills Added

Add Education

Education

POST GRADUATION

Education Type

FULL TIME

Course

MCA

Specialisation

Computer Application

Institute/University

Madhav Institute of Technology and Science

Marks

8.84

Start Date

01/11/2022

End Date

01/06/2024

Cancel

Add

No Languages Added

Edit Languages

Enter Languages

English, Hindi

Cancel

Save

My Profile

Job Openings

My Jobs

Feedback



Ayushi Saxena

I am a passionate full stack developer.
Experience - 1 Years

AYUSHI SAXENA

Contact Details

Contact

9179559326

Email

ayushipranjal87@gmail.com

Work Experience

Employer

VisionClara

Employment Type

INTERSHIP

Designation

Full Stack Developer

Start Date

01/01/2024

End Date

30/04/2024

Description

Internship

Skills

React Node HTML CSS Next MongoDB C/C++ MySQL DSA

Education

Education

POST GRADUATION

Education Type

FULL TIME

Course

MCA

Specialisation

Computer Application

Institute/University

Madhav Institute of Technology and Science

Marks

88%

Start Date

01/11/2022

End Date

01/06/2024

Languages

English Hindi

Additional Questions

Position you are looking for?

Principal

What is your current salary? (If applicable)

Rs 600000

What is your salary expectation?

Reasons behind your decision to move? (If applicable)

What is your notice period in days? (If applicable)

Are you open for relocation?

Are you married?

My Profile

Job Openings

My Jobs

Feedback

Apply Now

← Principal

10 - 15 Yr. | Rs. 1.5 - Rs. 2.25 | Haryana | School Leadership | Posted: 20 days ago
Opening: 1 | Applicants: 4

Job Description

EduNow seeks a seasoned School Principal for a reputed CBSE school in Haryana.

Similar Jobs

Principal

12 - 15 Yr. | Agra | Rs. 1.5 - Rs. 1.75 | Education Leadership | 19 days ago

My Profile

Job Openings

My Jobs

Feedback

Status

All



Activitiy Coördinator

The Doon School, Dehradun

Application Status: In Review

Applied: 5 days ago

Revoke



Activitiy Coordinator

The Doon School, Dehradun

Application Status: Approved

Applied: 5 days ago

Revoke



Activitiy Coordinator

The Doon School, Dehradun

Application Status: Rejected

Applied: 5 days ago

Previous

1 2 3

Next

School Profile


Create Job Opening

School Job Openings

My Requests

Feedback



The Subham School 
Visit Website

About

Our school is a vibrant community where students thrive academically and socially. With a focus on holistic education, we nurture creativity, critical thinking, and character development. Our dedicated faculty members are committed to providing personalized attention and innovative teaching methods. We offer a wide range of extracurricular activities, ensuring that every student can explore their interests and talents. At our school, diversity is celebrated, and inclusivity is a priority, creating a welcoming environment for all learners to excel and succeed.

Contact Us

Phone

7974912808

Email

dev.visionclara@gmail.com

Address

Near GCE factory, Jabalpur, Madhya Pradesh, India - 481312

Departments

Department of Science and Technology

Department of Science and Technology: This department fosters a passion for inquiry and discovery, offering rigorous programs in subjects like physics, chemistry, biology, and computer science. Students engage in hands-on experiments, research projects, and cutting-edge technology to develop critical thinking skills and prepare for careers in STEM fields.

Department of Humanities and Social Sciences

Department of Humanities and Social Sciences: Here, students explore the complexities of human society and culture through disciplines such as history, literature, sociology, psychology, and economics. Through deep analysis, discussions, and interdisciplinary approaches, they gain insights into the human experience and develop empathy, communication skills, and a global perspective.

Department of Creative Arts and Innovation

Department of Creative Arts and Innovation: This department celebrates imagination and expression, offering courses in visual arts, performing arts, design, and entrepreneurship. Students are encouraged to think outside the box, experiment with different mediums, and cultivate their unique voices as they explore the intersection of creativity.

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Edit Profile

Name

The Subham School

Website

https://kvsangathan.nic.in

Cancel

Save

Edit About

Description

Our school is a vibrant community where students thrive academically and socially. With a focus on holistic education, we nurture creativity, critical thinking, and character development. Our dedicated faculty members are committed to providing personalized attention and innovative teaching methods. We offer a wide range of extracurricular activities, ensuring that every student can explore their interests and talents. At our school, diversity is celebrated, and inclusivity is a priority, creating a welcoming environment for all learners to excel and succeed.

Cancel

Save

Edit Contact

Email

dev.visionclara@gmail.com

Phone Number

7974912808

Address Line 1

Near GCF factory

Address Line 2

Enter address

City

Jabalpur

State

Madhya Pradesh

Country

India

Zipcode

121312

Cancel

Save

Edit Departments

Department of Science and Technology

Department of Science and Technology: This department fosters a passion for inquiry and discovery, offering rigorous programs in subjects like physics, chemistry, biology, and computer science. Students engage in hands-on experiments, research projects, and cutting-edge technology to develop critical thinking skills and prepare for careers in STEM fields.



Department of Humanities and Social Sciences

Department of Humanities and Social Sciences: Here, students explore the complexities of human society and culture through disciplines such as history, literature, sociology, psychology, and economics. Through deep analysis, discussions, and interdisciplinary approaches, they gain insights into the human experience and develop empathy, communication skills, and a global perspective.



[School Profile](#)
[Create Job Opening](#)
[School Job Openings](#)
[My Requests](#)
[Feedback](#)

Activity Coordinator

The Doon School, Dehradun

4 - 5 Yr | Not disclosed | Bhopal, Madhya Pradesh | Department

Posted: 5 days ago | Opening: 5

Job Description

Lorem Ipsum is simply dummy text of the printing and typesetting industry Lorem Ipsum is simply dummy text of the printing and typesetting industry

Role & responsibilities:

- Lorem Ipsum is simply dummy text of the printing and typesetting industry
- Lorem Ipsum is simply dummy text of the printing and typesetting industry

Here candidate list will appear once it is shared by EduNow team.

[Track Request](#)
[School Profile](#)
[Create Job Opening](#)
[School Job Openings](#)
[My Requests](#)
[Feedback](#)

Search



All

Request #0001

Type : Post Job Opening

[View Request](#)

1 minute ago

Request #0002

Type : Delete Job Post

[View Request](#)

4 hours ago

Request #0002

Type : Update Job Post

[View Request](#)

10 Days ago

Request #0002

Type : Request Candidates

[View Request](#)

20 Days ago

[Previous](#)

1 2 3

[Next](#)

CHAPTER 7

CONCLUSION

CHAPTER 7: CONCLUSION

In conclusion, the EduNow project is a shining example of creativity and quality in resolving the recruitment issues that top Asian and Indian schools encounter. We have created a path toward changing the recruiting environment in the education sector with our specific knowledge, broad network, and dedication to quality. We have developed a comprehensive solution that not only satisfies the needs of schools but also goes above and beyond their expectations after carefully examining the issues currently plaguing the recruitment process.

At EduNow Consultants, we understand the critical role that leadership and faculty members play in shaping the academic environment and overall success of educational institutions. Our dedication to serving the education sector is reflected in our tailored approach to recruitment, where we prioritize understanding the unique requirements and challenges faced by each school. This personalized approach ensures that we source and connect exceptional talent that aligns with the values and vision of the institution, thereby contributing to its long-term success.

Furthermore, our holistic approach to recruitment goes beyond traditional methods by incorporating consultation and advisory services. Through our consultation services, we provide valuable insights and guidance to help schools attract, develop, and retain top talent in an increasingly competitive education landscape.

BIBLIOGRAPHY

Here are some potential references for EduNow Consultants.

1. <https://react.dev/learn>
2. <https://www.w3schools.com/js/default.asp>
3. <https://www.npmjs.com>
4. <https://ui.shadcn.com/>
5. <https://nextjs.org/>
6. <https://in.indeed.com/>
7. <https://naukri.com/>
8. https://www.researchgate.net/figure/Data-Flow-Diagram-DFD_fig2_337401425

PLAGIARISM REPORT

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Ayusi

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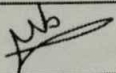
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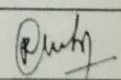
- Bibliographic material

Summary

FORTNIGHTLY PROGRESS REPORT (FPR) – 1

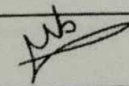
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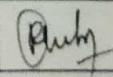
Name of student	Ayushi Saxena	Department	MCA		
Industry/Organization	VisionClara IT Solutions	Date/Duration	01/01/2024 – 15/01/2024		
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Day to day tasks involved, - Understanding the project requirements. - Developed UI as per the requirements. - Resolved feedback on code review.				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	01/02/2024	Name of Faculty Mentor	DR. R. S. Jadhav	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 2


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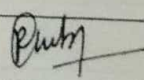
Name of student	Ayushi Saxena	Department	MCA		
Industry/Organization	VisionClara IT Solutions	Date/Duration	16/01/2024 – 31/01/2024		
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Day to day tasks involved, - Understanding the project requirements. - Developed UI as per the requirements. - Resolved feedback on code review				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	01/02/24	Name of Faculty Mentor	DR. R.S. Jindal	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 3


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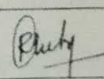
Name of student	Ayushi Saxena		Department	MCA	
Industry/Organization	VisionClara IT Solutions		Date/Duration	01/02/2024 – 15/02/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>Worked on following areas,</p> <ul style="list-style-type: none"> - API Integration - Built functionalities like search, filter, pagination, and sorting. - Resolved feedback on code review 				
OVERALL GRADE (Any one)	POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT				
Name of Industry Mentor	Subham Sahu (Senior Developer)				
Signature of Industry Mentor					

Receiving Date	20/2/24	Name of Faculty Mentor	DR. R. S. Jaiswal	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 4


FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

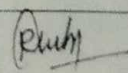
Name of student	Ayushi Saxena		Department	MCA	
Industry/Organization	VisionClara IT Solutions		Date/Duration	16/02/2024 – 28/02/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	Worked on Review and Rating Feature, - Built APIs for CRUD operations on Reviews. - Built UI for user to submit review - API Integration				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	05/03/24	Name of Faculty Mentor	DR. R.S. Jaden	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 5


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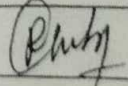
Name of student	Ayushi Saxena		Department	MCA	
Industry/Organization	VisionClara IT Solutions		Date/Duration	01/03/2024 – 15/03/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>Worked on following areas,</p> <ul style="list-style-type: none"> - Manual Testing of all functionalities. - Reporting bugs and improvements in UI. - Deployment to different environments - production, dev. 				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u> ✓				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	19/03/24	Name of Faculty Mentor	DR. R. S. Jadhav	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 6


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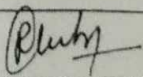
Name of student	Ayushi Saxena		Department	MCA	
Industry/Organization	VisionClara IT Solutions		Date/Duration	16/03/2024 – 31/03/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work					✓
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>Worked on following areas,</p> <ul style="list-style-type: none"> - Form submission - Create, Update, Delete Data. - Form validation and Error handling. 				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	4/4/24	Name of Faculty Mentor	DR. R.S. Jadau	Sign	
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FORTNIGHTLY PROGRESS REPORT (FPR) – 7

FORTNIGHTLY PROGRESS REPORT (FPR) FROM INDUSTRY MENTOR

Name of student	Ayushi Saxena		Department	MCA	
Industry/Organization	VisionClara IT Solutions		Date/Duration	01/04/2024 – 15/04/2024	
Criterion	Poor	Average	Good	Very Good	Excellent
Punctuality/Timely completion of assigned work					✓
Learning capacity/Knowledge up gradation					✓
Performance/Quality of work				✓	
Behaviour/Discipline/Team work					✓
Sincerity/Hard work					✓
Comment on nature of work done/Area/Topic	<p>Worked on following areas,</p> <ul style="list-style-type: none"> - API Performance testing using Dev Tools and Postman - MongoDB query optimization for better performance. 				
<u>OVERALL GRADE (Any one)</u>	<u>POOR/AVERAGE/GOOD/VERY GOOD/EXCELLENT</u>				
<u>Name of Industry Mentor</u>	Subham Sahu (Senior Developer)				
<u>Signature of Industry Mentor</u>					

Receiving Date	22/04/24	Name of Faculty Mentor	DR. R.S. Jadhav	Sign	
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