

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)



Skill Based Mini Project Report

on

AIRLINE MANAGEMENT SYSTEM

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Submitted to:

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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CERTIFICATE

This is certified that **Pranshu Adhwaryu** (0901CS201086) has submitted the project report titled Taxi Management system under the mentorship of asst. Ms. Jaimala Jha , in partial fulfilment of the requirement for the award of degree of Bachelor of Technology in Computer Science and Engineering from Madhav Institute of Technology and Science, Gwalior.



Ms. Jaimala jha ma'am
Faculty Mentor
Assistant proffessor
Computer Science and Engineering

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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 Bachelor of Technology in Computer Science and Engineering at Madhav Institute of Technology & Science, Gwalior is an authenticated and original record of my work under the mentorship of Ms. Jaimala jha ma'am, Assistant professor , Department of computer science and engineering .

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

Pranshu Adhwaryu

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2nd Year,

Computer Science and Engineering

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Pranshu Adhwaryu

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2nd Year,

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Abstract

Through this project Airlines Management System, I have managed the database of Different Airlines which includes data like

The airline no, Customer Id, Name, Address, traveling from and Traveling To, and date of Arrival/Departure.

The Database is divided into two parts

1. Admin Panel

2. User Base

Admin Panel is for the Admin to manage and access data that is hidden from the user

The user base has data of all the users who took flight in past/the future.

INTRODUCTION

This project aimed to create a Database to Manage Airlines System Effectively and Efficiently.

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Abstract

Chapter 1: Introduction

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Airlines Management System

Tables -

3 tables are used to store data i.e. States, City, Flights

1. States - This table contains
stateid, (Primary key)
statesname
2. City - This table contains
Stateid, (Foreign Key)
Cityid, (Primary key)
Cityname
3. Flights -
Flightid, (Primary Key) Companyname,
Sourcestateid,(Foreign Key)
Sourcecityid, (Foreign Key)
Destinationstateid, (Foreign Key)
Destinationcityid, (Foreign Key) status,
flightclass,
sourcetiming,
destinationtiming,
days,
Image.

DBMS USED:

MySql Workbench has been used for this Project.

SQL QUERY:

CITY

```
CREATE TABLE `city` (  
  `stateid` int(11) NOT NULL,  
  `cityid` varchar(45) NOT NULL,  
  `cityname` varchar(45) DEFAULT NULL,  
  PRIMARY KEY (`cityid`)  
);  
SELECT * FROM flights.city;
```

The screenshot shows the MySQL Workbench interface. The left sidebar contains the 'Navigator' pane with sections for MANAGEMENT, INSTANCE, PERFORMANCE, and SCHEMAS. The 'SCHEMAS' section is expanded, showing a tree of databases including 'customer', 'emp', 'employee', 'flights', and 'views'. The 'flights' database is selected, and the 'city' table is highlighted. The main editor window displays the SQL query: `CREATE TABLE `city` (`stateid` int(11) NOT NULL, `cityid` varchar(45) NOT NULL, `cityname` varchar(45) DEFAULT NULL, PRIMARY KEY (`cityid`)) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4 COLLATE=utf8mb4_0900_ai_ci; SELECT * FROM flights.city;`. Below the editor, the 'Result Grid' shows the output of the query. The grid has three columns: 'stateid', 'cityid', and 'cityname'. The data rows are as follows:

stateid	cityid	cityname
100	1	gwalior
500	10	combature
500	11	mysore
100	2	indore
100	3	bhopal
200	4	lukhnow
200	5	agra
200	6	kanpur
300	7	new delhi
400	8	goa
500	9	bengluru
NULL	NULL	NULL

STATES

```
CREATE TABLE `states` (  
  `stateid` int(11) NOT NULL,  
  `statesname` varchar(45) DEFAULT NULL,  
  PRIMARY KEY (`stateid`)  
);  
SELECT * FROM flights.states;
```

The screenshot shows a database management interface with a sidebar on the left containing categories: MANAGEMENT, INSTANCE, PERFORMANCE, and SCHEMAS. The SCHEMAS section is expanded, showing a tree view of databases including 'customer', 'emp', 'employee', 'flights', and 'states'. The 'states' database is selected, and the 'states' table is highlighted. The main window displays the SQL query 'SELECT * FROM flights.states;' and the resulting data in a 'Result Grid'.

stateid	statesname
100	madhya pradesh
200	uttar pradesh
300	new delhi
400	Goa
500	karnatka
NULL	NULL

FLIGHTS

```
CREATE TABLE `flights` (
  `flightid` varchar(40) NOT NULL,
  `companyname` varchar(45) DEFAULT NULL,
  `sourcestateid` int(11) DEFAULT NULL,
  `sourcecityid` int(11) DEFAULT NULL,
  `destinationstateid` int(11) DEFAULT NULL,
  `destinationcityid` varchar(45) DEFAULT NULL,
  `status` varchar(45) DEFAULT NULL,
  `flightclass` varchar(45) DEFAULT NULL,
  `sourcetiming` varchar(45) DEFAULT NULL,
  `destinationtiming` varchar(45) DEFAULT NULL,
  `days` varchar(45) DEFAULT NULL,
  `logo` varchar(45) DEFAULT NULL, PRIMARY
  KEY (`flightid`)
)
```

Navigator: product students studio flights city states city states flights states flights x

MANAGEMENT

- Server Status
- Client Connections
- Users and Privileges
- Status and System Variables
- Data Export
- Data Import/Restore

INSTANCE

- Startup / Shutdown
- Server Logs
- Options File

PERFORMANCE

- Dashboard
- Performance Reports
- Performance Schema Setup

SCHEMAS

Filter objects

- customer
- emp
- employee
- flights
 - Tables
 - city
 - flights
 - states
 - Views
 - Stored Procedures

1 SELECT * FROM flights.flights;

Limit to 1000 rows

Result Grid

flightid	companyname	sourcestateid	sourcecityid	destinationstateid	destinationcityid	status	flightclass	sourcetiming	destinationtiming	days
AI150	Air India	200	4	300	7	NON STOP	Business,Economy	11:14 PM	10:48 PM	Sunday,monday,Tuesday
CA100	Air Asia	300	7	100	1	NON STOP	Business,Economy	07:30 PM	09:18 PM	Sunday,monday
GA100	spice jet	100	1	300	7	NON STOP	Business	08:18 PM	10:48 PM	monday
GQ100	GO AIR	100	2	300	7	NON STOP	Business,Economy	10:47 PM	10:48 PM	monday,Tuesday,Wednesday
GT1450	SpiceGO	100	3	200	5	STOP	Business,Economy	11:11 PM	10:48 PM	Tuesday,Wednesday
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

flights 1 x

Apply Revert

RESULT

The objective has been achieved by the MYSQL workbench

Conclusion:

Like Airlines management systems much other Management systems can also be made like Library Management, School management, Staff Management Etc...