DATABASE MANAGEMENT SYSTEM PROJECT – REPORT
TOPIC: *Wanderlust – Travel Management*

TEAM DETAILS

1.PRIYA MOHATA   PES2UG19CS301
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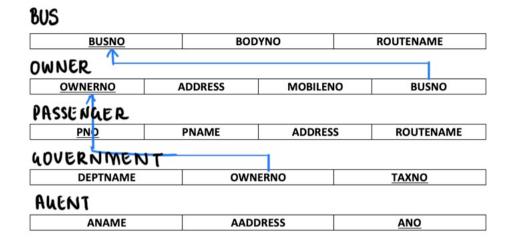3.RITIK   PES2UG19CS332

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REASONS FOR CHOOSING PHPMYADMIN AND SQL :

- **MySQL** is one of the most widely used database systems for dynamic websites and content management systems.
- **PhpMyAdmin** is the most common method of administering a MySQL database, included in many CMSs as well as the XAMPP and MAMP testing environments.
- RDBMS are generally very focused on providing strong consistency and ACID transactions (although not always), tremendous functionality, stability, and strong reliability and robustness guarantees. They are also very well-suiting for complex querying and non-real time analytics applications
- We have chosen PhpMyAdmin and MySQL because we are going to integrate the database with our travel form website.
- Reasons to choose MySQL :
  - Speed
  - Ease of use
  - Easy to query
  - On-Demand Scalability
  - High Availability
  - Rock-Solid Reliability
  - Web and Datawarehouse strengths

RELATIONAL MODEL :

BUS

BUSNO	BODYNO	ROUTENAME

OWNER

OWNERNO	ADDRESS	MOBILENO	BUSNO

PASSENGER

PNO	PNAME	ADDRESS	ROUTENAME

GOVERNMENT

DEPTNAME	OWNERNO	TAXNO

AGENT

ANAME	AADDRESS	ANO

CREATE COMMANDS

CREATING THE DATABASE *TRAVEL_WEBSITE*

- CREATING THE TABLE *BUS*

```
CREATE TABLE BUS(BUSNO VARCHAR(10) NOT NULL,BODYNO VARCHAR(10) NOT NULL,ROUTENAME VARCHAR(10) NOT NULL,PRIMARY KEY(BUSNO));
```

- CREATING THE TABLE *OWNER*

```
CREATE TABLE OWNER(OWNERNO VARCHAR(10) NOT NULL,ADDRESS VARCHAR(10) NOT NULL,MOBILENO INT(10) NOT NULL,BUSNO VARCHAR(10) NOT NULL,
PRIMARY KEY(OWNERNO),FOREIGN KEY(BUSNO) REFERENCES BUS(BUSNO));
```

- CREATING THE TABLE *PASSENGER*

```
CREATE TABLE PASSENGER(PNO VARCHAR(10) NOT NULL,PNAME VARCHAR(10) NOT NULL,ADDRESS VARCHAR(10) NOT NULL,ROUTENAME VARCHAR(20) NOT NULL,
PRIMARY KEY(PNO));
```
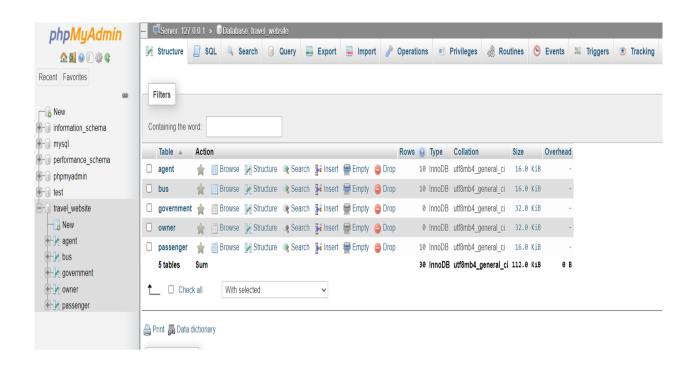
- CREATING THE TABLE *GOVERNMENT*

```
CREATE TABLE GOVERNMENT(DEPTNAME VARCHAR(15) NOT NULL, OWNERNO VARCHAR(10) NOT NULL,TAXNO VARCHAR(40) NOT NULL,PRIMARY KEY(TAXNO),
FOREIGN KEY(OWNERNO) REFERENCES OWNER(OWNERNO));
```

- CREATING THE TABLE *AGENT*

```
CREATE TABLE AGENT(ANAME VARCHAR(15) NOT NULL,AADDRESS VARCHAR(40) NOT NULL,ANO VARCHAR(10) NOT NULL, PRIMARY KEY(ANO));
```
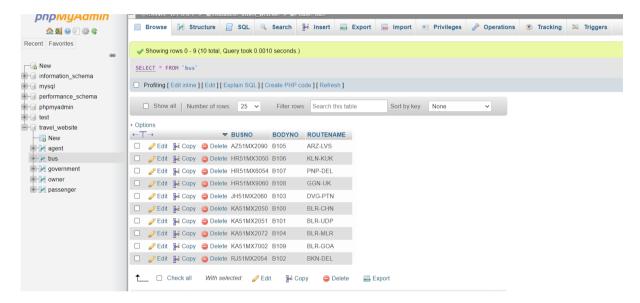
FINAL IMPLEMENTATION :
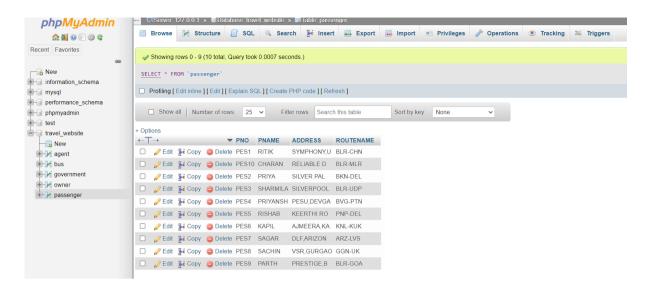
LINK TO CODE - CREATE SQL

INSERT COMMANDS

- INSERTING INTO *BUS*

```sql
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('KA51MX2050','B100','BLR-CHN');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('KA51MX2051','B101','BLR-UDP');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('RJ51MX2054','B102','BKN-DEL');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('JH51MX2060','B103','DVG-PTN');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('KA51MX2072','B104','BLR-MLR');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('AZ51MX2090','B105','ARZ-LVS');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('HR51MX3050','B106','KLN-KUK');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('HR51MX6054','B107','PNP-DEL');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('HR51MX9060','B108','GGN-UK');
INSERT INTO BUS(BUSNO,BODYNO,ROUTENAME) VALUES ('KA51MX7002','B109','BLR-GOA');
```


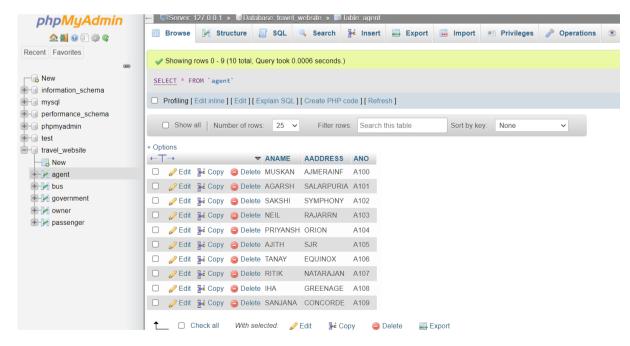- INSERTING INTO *PASSENGER*

```sql
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES1','RITIK','SYMPHONY,URLANA KALAN','BLR-CHN');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES2','PRIYA','SILVER PALMS,BIKANER','BKN-DEL');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES3','SHARMILA','SILVERPOOL,BAGLUR','BLR-UDP');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES4','PRIYANSH','PESU,DEVGARH','BVG-PTN');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES5','RISHAB','KEERTHI ROYAL,PANIPAT','PNP-DEL');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES6','KAPIL','AJMEERA,KARNAL','KNL-KUK');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES7','SAGAR','DLF,ARIZONA','ARZ-LVS');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES8','SACHIN','VSR,GURGAON','GGN-UK');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES9','PARTH','PRESTIGE,BANGALORE','BLR-GOA');
INSERT INTO PASSENGER(PNO,PNAME,ADDRESS,ROUTENAME) VALUES ('PES10','CHARAN','RELIABLE DOMICILE,BANGALORE','BLR-MLR');
```
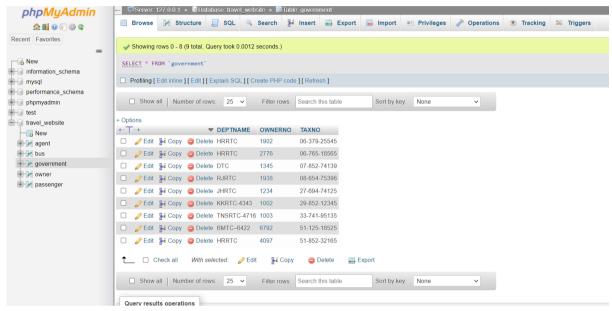
- INSERTING INTO *AGENT*

```
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('MUSKAN','AJMERAINF','A100');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('AGARSH','SALARPURIA','A101');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('SAKSHI','SYMPHONY','A102');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('NEIL','RAJARRN','A103');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('PRIYANSH','ORION','A104');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('AJITH','SJR','A105');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('TANAY','EQUINOX','A106');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('RITIK','NATARAJAN','A107');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('IHA','GREENAGE','A108');
INSERT INTO AGENT(ANAME,AADDRESS,ANO) VALUES ('SANJANA','CONCORDE','A109');
```
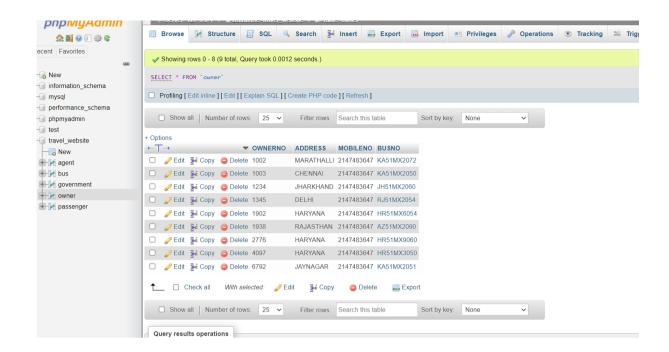

- INSERT INTO *GOVERNMENT*

```
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('KKRTC-4343','1002','29-852-12345');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('TNSRTC-4716','1003','33-741-95135');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('RJRTC','1938','08-654-75396');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('DTC','1345','07-852-74139');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('BMTC-6422','6792','51-125-18525');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('HRRTC','4097','51-852-32165');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('JHRTC','1234','27-694-74125');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('HRRTC','2776','06-765-18565');
INSERT INTO GOVERNMENT (DEPTNAME,OWNERNO,TAXNO) VALUES ('HRRTC','1902','06-379-25545');
```


- INSERT INTO *OWNER*

```
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1002','MARATHALLI',9654872314,'KA51MX2072');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1345','DELHI',9658743219,'RJ51MX2054');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('6792','JAYNAGAR',8654971328,'KA51MX2051');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1938','RAJASTHAN',9765832468,'AZ51MX2090');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1902','HARYANA',8523649718,'HR51MX6054');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('2776','HARYANA',7894563218,'HR51MX9060');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1003','CHENNAI',8523697415,'KA51MX2050');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('4097','HARYANA',9576318468,'HR51MX3050');
INSERT INTO OWNER (OWNERNO,ADDRESS,MOBILENO,BUSNO) VALUES ('1234','JHARKHAND',6549871235,'JH51MX2060');
```

LINK TO THE INSERT COMMANDS

<u>CONTRIBUTIONS</u>

1. **PRIYA MOHATA**	COMPILED THE DOCUMENT AND WROTE CREATE COMMANDS
2. **SHARMILA R**	WROTE COMMANDS FOR GOVERNMENT AND BUS INSERTION
3. **RITIK**	WROTE COMMANDS FOR OWNER AND AGENT INSERTION

ALL OF US TOGETHER INSTALLED THE REQUIRED SOFTWARES AND WORKED ON THE PROJECT.

…………………………….THANK YOU ……….……………………….