



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



TEAM DETAILS

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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-suited 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

<u>BUSNO</u>	BODYNO	ROUTENAME
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OWNER

<u>OWNERNO</u>	ADDRESS	MOBILENO	BUSNO
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PASSENGER

<u>PNO</u>	PNAME	ADDRESS	ROUTENAME
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GOVERNMENT

DEPTNAME	OWNERNO	<u>TAXNO</u>
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AGENT

ANAME	AADDRESS	<u>ANO</u>
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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,OWNERNAME VARCHAR(40) NOT NULL,ADDRESS VARCHAR(10) NOT NULL,MOBILENO INT(11) 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,MOBILENO INT(11) NOT NULL,ADDRESS VARCHAR(10) NOT NULL,BUSNO VARCHAR(10),PRIMARY KEY(PNO),FOREIGN KEY(BUSNO) REFERENCES BUS(BUSNO));
```

- 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 :

localhost:8080 / localhost / travel

phpMyAdmin

Server: localhost Database: travel

Structure SQL Search Query Export Import Operations Privileges Routines Events Triggers Tracking

Filters

Containing the word:

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> AGENT		14	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> BUS		15	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> GOVERNMENT		9	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> OWNER		13	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> PASSENGER		17	InnoDB	utf8mb4_general_ci	32.0 KiB	-
5 tables	Sum	68	InnoDB	utf8mb4_general_ci	144.0 KiB	0 B

☐ Check all With selected:

Print Data dictionary

Create table

Name: Number of columns: 4

Go

Console

[LINK TO CODE - CREATE SQL](#)

INSERT COMMANDS

- INSERTING INTO *BUS*

```
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');
```

The screenshot shows the phpMyAdmin interface for a local MySQL database. The 'travel' database is selected, and the 'BUS' table is displayed. The table has 15 rows of data. The columns are BUSNO, BODYNO, and ROUTENAME. The data is as follows:

BUSNO	BODYNO	ROUTENAME
AZ51MX2090	B105	ARZ-LVS
AZ51MX2091	B110	BLR-RAJ
AZ51MX2095	B113	DEL-MUM
HR51MX3050	B106	KLN-KUK
HR51MX6054	B107	PNP-DEL
HR51MX9060	B108	GGN-UK
JH51MX2060	B103	DVG-PTN
KA51MX2050	B100	BLR-CHN
KA51MX2051	B101	BLR-UDP
KA51MX2053	B111	BLR-MUM
KA51MX2056	B112	MLR-MUM
KA51MX2072	B104	BLR-MLR
KA51MX6709	B115	DEL-JK
KA51MX7002	B109	BLR-GOA
RJ51MX2054	B102	BKN-DEL

The interface also shows a sidebar with the database structure, a top navigation bar, and a main content area with a table view and a console. The console shows the SQL query used to insert the data.

- INSERTING INTO *PASSENGER*

```
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES1','RITIK',909089760,'SYMPHONY,URLANA KALAN','B100');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES2','PRIYA',9658743219,'SILVER PALMS,BIKANER','B102');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES3','SHARMILA',8654971328,'SILVERPOOL,BAGLUR','B101');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES4','PRIYANSH',9654872314,'PESU,DEVGARH','B103');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES5','RISHAB',9576318468,'KEERTHI ROYAL,PANIPAT','B107');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES6','KAPIL',6549871235,'AJMEERA,KARNAL','B106');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES7','SAGAR',9658743210,'DLF,ARIZONA','B105');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES8','SACHIN',9658123219,'VSR,GURGAON','B108');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES9','PARTH',96587432189,'PRESTIGE,BANGALORE','B109');
INSERT INTO PASSENGER(PNO,PNAME,MOBILENO,ADDRESS,BUSNO) VALUES ('PES10','CHARAN',6549871239,'RELIABLE DOMICILE,BANGALORE','B104');
```

The screenshot shows the phpMyAdmin interface for a database named 'travel'. The 'PASSENGER' table is selected, and the 'Structure' tab is active. The table contains 16 rows of data. The columns are PNO, PNAME, MOBILENO, ADDRESS, and BUSNO. The data is displayed in a table format with options to edit, copy, or delete each row.

PNO	PNAME	MOBILENO	ADDRESS	BUSNO
PES1	RITIK	909089760	SYMPHONY,URLANA KALAN	B100
PES2	PRIYA	9658743219	SILVER PALMS,BIKANER	B102
PES3	SHARMILA	8654971328	SILVERPOOL,BAGLUR	B101
PES4	PRIYANSH	9654872314	PESU,DEVGARH	B103
PES5	RISHAB	9576318468	KEERTHI ROYAL,PANIPAT	B107
PES6	KAPIL	6549871235	AJMEERA,KARNAL	B106
PES7	SAGAR	9658743210	DLF,ARIZONA	B105
PES8	SACHIN	9658123219	VSR,GURGAON	B108
PES9	PARTH	96587432189	PRESTIGE,BANGALORE	B109
PES10	CHARAN	6549871239	RELIABLE DOMICILE,BANGALORE	B104
PES11	LAVISHA	909089786	PRESTIGE	AZ51MX2091
PES12	Rudraksh	909049776	SYMPHONY	AZ51MX2091
PES13	ROHIT	957631846	PUNE	KA51MX2053
PES14	CHAHAL	957456186	BANGALORE	KA51MX2050
PES15	BUMRAH	957256186	MUMBAI	KA51MX2053
PES16	SANJANA	957456186	MUMBAI	KA51MX2050
PES17	RIZWAN	907456186	MUMBAI	KA51MX2053
PES2	PRIYA	965874321	BIKANER	RJ51MX2054
PES3	SHARMILA	865497132	BAGLUR	KA51MX2072
PES4	PRIYANSH	965487231	DEVGARH	HR51MX3050
PES5	RISHAB	957631846	PANIPAT	HR51MX9060
PES6	KAPIL	654987123	KARNAL	KA51MX7002
PES7	SAGAR	965874321	ARIZONA	HR51MX6054
PES8	SACHIN	965812321	GURGAON	AZ51MX2090
PES9	PARTH	965874319	BANGALORE	JH51MX2060

- 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');

```

The screenshot shows the phpMyAdmin web interface in a browser. The URL is localhost:8080/phpmyadmin/index.php?route=/sql&server=1&db=travel&table=AGENT&pos=0. The interface displays the 'AGENT' table from the 'travel' database. The table has three columns: ANAME, AADDRESS, and ANO. The data is shown in a table with 13 rows. Each row has action buttons for Edit, Copy, and Delete. The table is sorted by ANO in ascending order.

ANAME	AADDRESS	ANO
MUSKAN	AJMERAINF	A100
AGARSH	SALARPURIA	A101
SAKSHI	SYMPHONY	A102
NEIL	RAJARRN	A103
PRIYANSH	ORION	A104
AJITH	SJR	A105
TANAY	EQUINOX	A106
RITIK	NATARAJAN	A107
IHA	GREENAGE	A108
SANJANA	CONCORDE	A109
FARHAN	GOA	A110
shahrukh	goa	A111
Aryan	Mumbai	A112
Gauri	Bikaner	A113

- 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');

```

The screenshot shows the phpMyAdmin interface for a database named 'travel'. The 'GOVERNMENT' table is selected, and its data is displayed in a table format. The table has three columns: DEPTNAME, OWNERNO, and TAXNO. The data is as follows:

DEPTNAME	OWNERNO	TAXNO
HRRTC	1902	06-379-25545
HRRTC	2776	06-765-18565
DTC	1345	07-852-74139
RJRTC	1938	08-654-75396
JHRTC	1234	27-694-74125
KKRTC-4343	1002	29-852-12345
TNSRTC-4716	1003	33-741-95135
BMTc-6422	6792	51-125-18525
HRRTC	4097	51-852-32165

The interface also shows the SQL query used to retrieve the data: `SELECT * FROM `GOVERNMENT``. The table is displayed with 25 rows per page, and the query took 0.0005 seconds to execute.

- INSERT INTO OWNER

```
INSERT INTO OWNER VALUES ('1002','AMY','MARATHALLI',9654872314,'KA51MX2072');
INSERT INTO OWNER VALUES ('1345','BOB','DELHI',9658743219,'RJ51MX2054');
INSERT INTO OWNER VALUES ('6792','BILL','JAYNAGAR',8654971328,'KA51MX2051');
INSERT INTO OWNER VALUES ('1938','OSWALD','RAJASTHAN',9765832468,'AZ51MX2090');
INSERT INTO OWNER VALUES ('1902','JOHN','HARYANA',8523649718,'HR51MX6054');
INSERT INTO OWNER VALUES ('2776','EVE','HARYANA',7894563218,'HR51MX9060');
INSERT INTO OWNER VALUES ('1003','ADAM','CHENNAI',8523697415,'KA51MX2050');
INSERT INTO OWNER VALUES ('4097','RAJU','HARYANA',9576318468,'HR51MX3050');
INSERT INTO OWNER VALUES ('1234','BHEEM','JHARKHAND',6549871235,'JH51MX2060');
```

The screenshot shows the phpMyAdmin interface for a database named 'travel'. The 'OWNER' table is selected, and the 'SQL' tab is active. The table structure is as follows:

OWNERNNO	OWNERNAME	ADDRESS	MOBILENO	BUSNO
1002	AMY	MARATHALLI	965487231	KA51MX2072
1003	ADAM	CHENNAI	852369745	KA51MX2050
1004	SAKSHI	BTM	909083128	KA51MX2051
1005	ANUSHKA	JP NAGAR	998083128	KA51MX2051
1006	VIRAT	BANDRA	967083128	KA51MX2051
1234	BHEEM	JHARKHAND	654987123	JH51MX2060
1345	BOB	DELHI	965874321	RJ51MX2054
1902	JOHN	HARYANA	852364978	HR51MX6054
1938	OSWALD	RAJASTHAN	976583246	AZ51MX2090
2776	EVE	HARYANA	789456321	HR51MX9060
4097	RAJU	HARYANA	957631846	HR51MX3050
6792	BILL	JAYNAGAR	865497132	KA51MX2051
9998	RAJESH	MARENHALLI	909083128	AZ51MX2091

[LINK TO THE INSERT COMMANDS](#)

CONTRIBUTIONS

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