



## **DATABASE MANAGEMENT SYSTEM PROJECT – REPORT**

**TOPIC: *Wanderlust – Travel Management***



### **TEAM DETAILS**

- |                 |               |
|-----------------|---------------|
| 1. PRIYA MOHATA | PES2UG19CS301 |
| 2. R SHARMILA   | PES2UG19CS309 |
| 3. RITIK        | PES2UG19CS332 |

## **TABLE OF CONTENTS**

<b>PROBLEM STATEMENT</b>	<b>PAGE 3</b>
<b>CONSTRAINTS</b>	<b>PAGE 4</b>
<b>ER DIAGRAM</b>	<b>PAGE 5</b>
<b>ER TOOLS</b>	<b>PAGE 8</b>
<b>FINAL ER DIAGRAM</b>	<b>PAGE 9</b>
<b>INSTALLATION STEPS</b>	<b>PAGE 10</b>
<b>REFERENCE LINKS</b>	<b>PAGE 12</b>
<b>CONTRIBUTION</b>	<b>PAGE 13</b>

## **PROBLEM STATEMENT:**

Creating a travel management system for the Bus transportation across India. This management would be the complete organization of data for the transport system. It would have a frontend developed with the help of HTML, CSS, JS and Bootstrap and a backend database with MySQL and PhpMyAdmin.

## **CONSTRAINTS:**

### **1) Table Name: BUS**

ATTRIBUTE NAME	DATATYPE	LENGTH
BUSNO <i>PRIMARY KEY</i>	VARCHAR	10
BODYNO	VARCHAR	10
ROUTENAME	VARCHAR	10

### **2) Table Name: OWNER**

ATTRIBUTE NAME	DATATYPE	LENGTH
OWNERNO <i>PRIMARY KEY</i>	VARCHAR	10
ADDRESS	VARCHAR	30
MOBILENO	INT	10
BUSNO <i>FOREIGN KEY</i>	VARCHAR	10

### **3) Table Name: PASSENGER**

ATTRIBUTE NAME	DATATYPE	LENGTH
PNO <i>PRIMARY KEY</i>	VARCHAR	10
PNAME	VARCHAR	30
ADDRESS	VARCHAR	10
ROUTENAME	VARCHAR	20

### **4) Table Name: GOVERNMENT**

ATTRIBUTE NAME	DATATYPE	LENGTH
DEPTNAME	VARCHAR	15
OWNERNO <i>FOREIGN KEY</i>	VARCHAR	10
TAXNO <i>PRIMARY KEY</i>	VARCHAR	40

### **5) Table Name: AGENT**

ATTRIBUTE NAME	DATATYPE	LENGTH
ANAME	VARCHAR	15
AADDRESS	VARCHAR	40
ANO <i>PRIMARY KEY</i>	VARCHAR	10

## ER DIAGRAM STEPS:

TABLE NAME : BUS

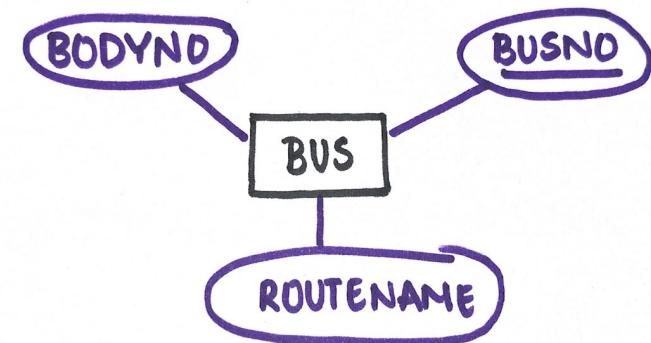


TABLE NAME : PASSENGER

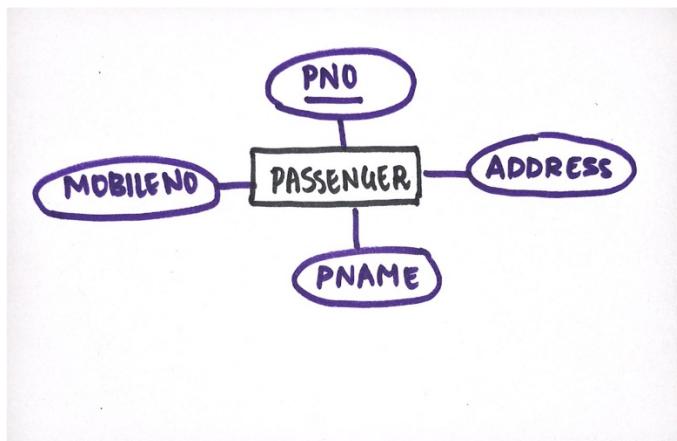


TABLE NAME : AGENT

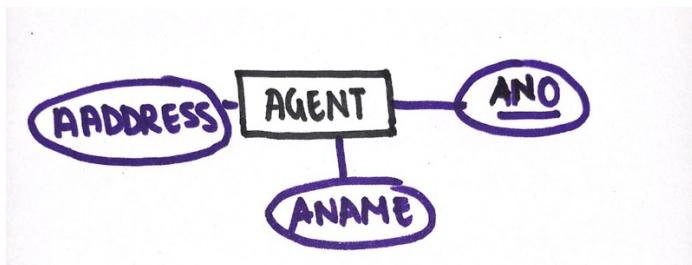


TABLE NAME : OWNER

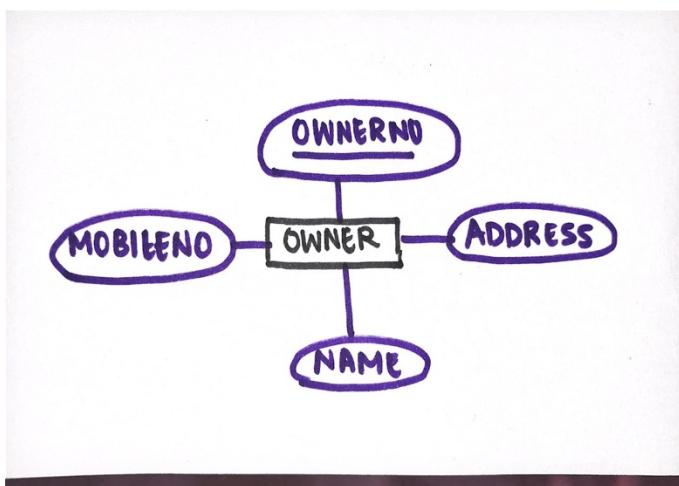
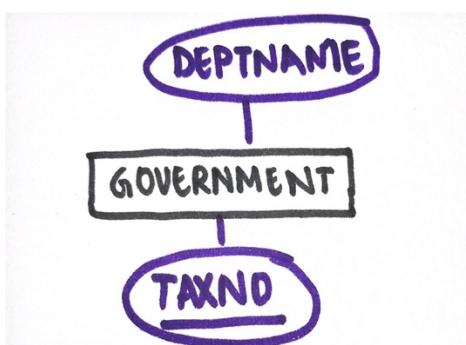
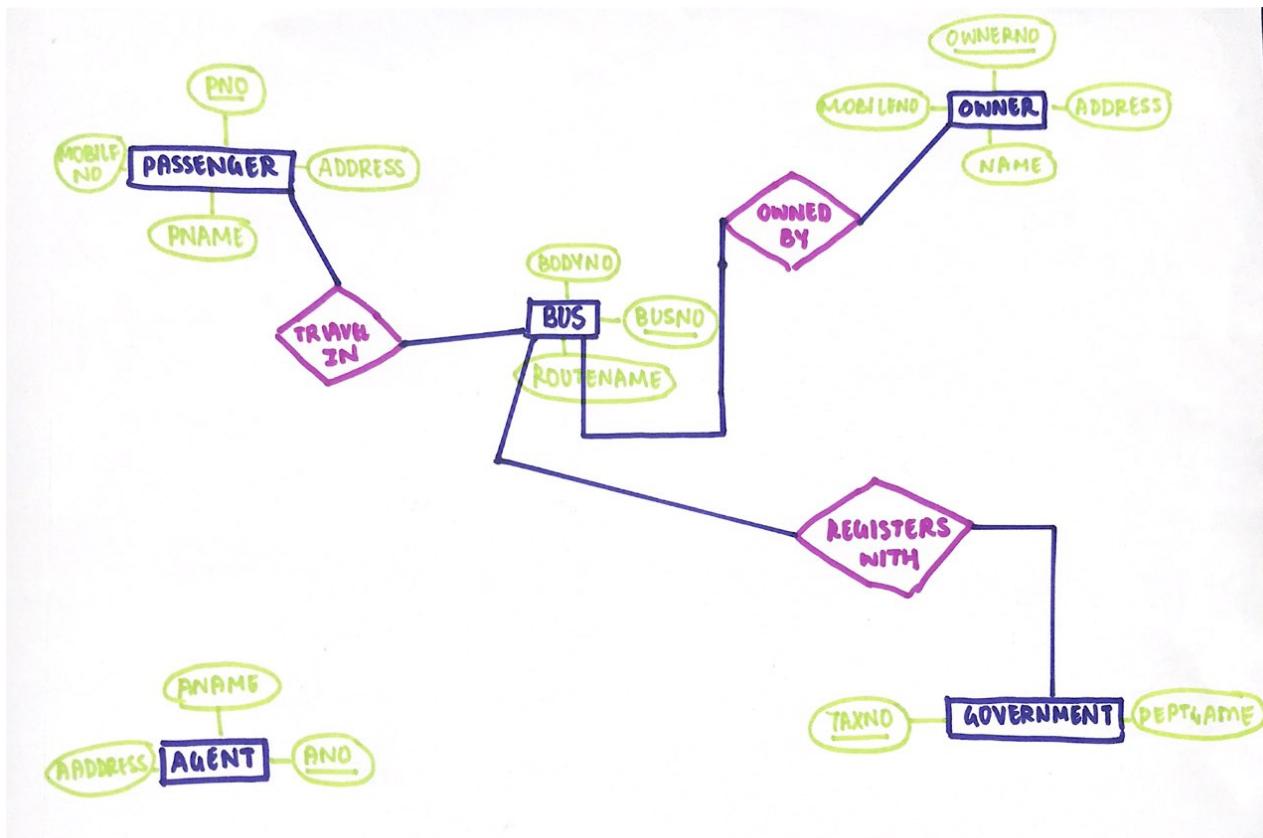


TABLE NAME : GOVERNMENT



ER DIAGRAM :



## ER TOOLS USED :

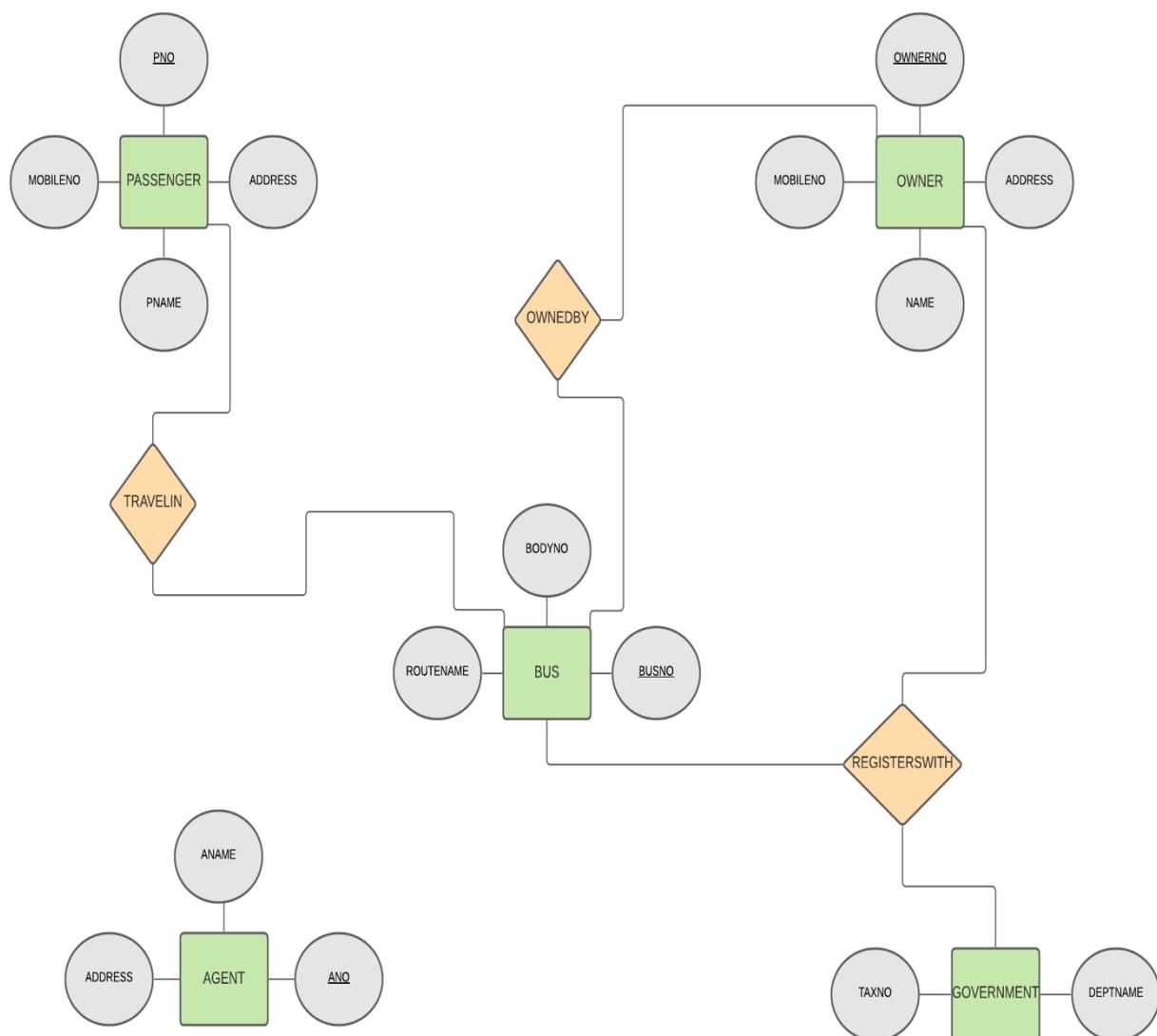
### LucidChart :

 <b>Lucidchart</b>	
<b>Developer(s)</b>	Lucid Software Inc. <sup>[1]</sup>
<b>Initial release</b>	December 2008; 12 years ago
<b>Platform</b>	Web-based
<b>Available in</b>	English
<b>Type</b>	Diagramming software
<b>Website</b>	<a href="http://www.lucidchart.com">www.lucidchart.com</a>

**Lucidchart** is a web-based proprietary platform that allows users to collaborate on drawing, revising and sharing charts and diagrams. It is produced by Lucid Software Inc., based in Utah, United States.<sup>[2][3]</sup>

Lucidchart's ERD tool makes it easy to visualize your database structure and build entity-relationship diagrams online. Save hours of manual work with our ERD import feature.

## FINAL ER DIAGRAM :



## **INSTALLATION STEPS :**

### **Install MySQL via MySQL Installer**

Step 1 : Windows configures MySQL Installer

Step 2 : Welcome Screen: A welcome screen provides several options.

Choose the first option: Install MySQL Products.

Step 3 : Download the latest MySQL products: MySQL installer checks and downloads the latest MySQL products including MySQL server, MySQL Workbench, etc and press **Next** button to continue.

Step 4 : Choosing a Setup Type: there are several setup types available. Choose the Full option to install all MySQL products and features and check Requirements.

Step 5: Installation Progress: MySQL Installer downloads all selected products. It will take a while, depending on which products you selected and the speed of your internet connection. Downloading Products in progress. Once downloading is complete, click **Next** button to continue....

Step 6.a : Configuration Overview. Click the Next button to configure MySQL Database Server.

Step 6.b :MySQL Server Configuration: choose Configuration Type and MySQL port (3006 by default) and click Next button to continue.

Choose a password for the **root** account. Please note the password download and keep it securely if you are installing MySQL database server on a production server. If you want to add a more MySQL user, you can do it in this step.

choose Windows service details including Windows Service Name and account type, then click **Next** button to continue.

In Progress: MySQL Installer is configuring MySQL database server. Wait until it is done and click the **Next** button to continue and here the process is done!!!

Step 6.c : Configuration Overview: MySQL Installer installs sample databases and sample models.

Step 7 : Installation Completes: the installation completes. Click the **Finish** button to close the installation wizard and launch the MySQL Workbench.

### **Install PhpMyAdmin:**

Step-1. Visit the ***PhpMyAdmin website*** and download a version equal to or higher than 4.8.4.

Step-2. Extract the .zip file to your local machine.

Step-3. Rename **config.sample.inc.php** to **config.inc.php**

Step-4. Open **config.inc.php** in your favourite editor and if u have a private server with local MYSQL keep your hostname as **localhost** and For cookie Auth. you can add a random string which may contact numbers, letters and special characters and should be at least 32 characters in length called  
**“Blowfish Secret”.**

Step-5. Upload the contents of the folder to your web space.

Step-6. Set the PHP version to PHP 5.6 or above.

Step-7. Visit the URL within your web browser and login using the database user and associated password.

## **REFERENCE LINKS :**

- 1 ) <https://github.com>**
- 2) <https://www.lucidchart.com>**
- 3) <https://www.youtube.com/watch?v=1SnPKhCdlsU&t=7387s>**
- 4) <https://en.wikipedia.org/wiki/Lucidchart>**
- 5) <https://www.canva.com>**

## **CONTRIBUTION :**

<b>Priya Mohata</b>	<ul style="list-style-type: none"><li>- <b>Problem Statement</b></li><li>- <b>Constraints</b></li><li>- <b>ER Diagram Snapshots</b></li></ul>
<b>R Sharmila</b>	<ul style="list-style-type: none"><li>- <b>About Lucid Chart</b></li><li>- <b>ER Diagram on Lucid Chart</b></li></ul>
<b>Ritik</b>	<ul style="list-style-type: none"><li>- <b>Installation steps</b></li><li>- <b>References</b></li></ul>

.....THANK YOU.....