



Course Code : CSE 404

Course Title : Software Engineering and ISD Laboratory

Project name : Bus ticket booking management system

Experiment no: 03

Experiment name: Logical design and Data Modeling of your Project Using Tools

### Submitted To

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Group No : 02

Group members :

Sl	Class Roll	Name
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Tama Shil

ID: 342

Part: Db schemes

### Objective:

The objective of this experiment is to show the ER diagram and Database schemas of bus ticket booking management system.

### Data Dictionary

<u>Sl. No</u>	<u>Table name</u>
1.	Admin
2.	Customer
3.	Route Detail
4.	Ticket
5.	Rent
6.	Payment
7.	Book Detail
8.	Password
9.	Time-Table
10.	Contact Us
11.	Bus Detail



## Table - Admin

Description: This table store admin information.

No	Fieldname	Datatype	Size	key	Description
1	Admin-id	int	6	Primary key	stores Id
2	username	varchar	30	Uniquekey	stores username
3	password	varchar	30	Not null	stores password
4	email	varchar	30	Not null	stores email

## Table - Customer

Description - This table store a customer information.

No	Fieldname	Data type	Size	key	Description
e-idol	c-id	int	5	Primary key	stores id.
02	c-name	varchar	30	Unique key	stores name
03	email	varchar	30	-	stores email
04	phone	varchar	30	-	Stores phone number
05	Payment	varchar	30	-	stores payment method
06	Gender	varchar	30	-	Stores Gender.



Table: Route Detail

Description: This table store the route information.

No	Fieldname	Data type	Size	key	Description
01	Route-id	int	5	Primary key	Stores Id of bus route
2	Destination	varchar	30	-	Stores destination
3	Pickup	varchar	30	-	Stores pickup
4	Distance	varchar	30	-	Stores Distance
5	Rent	varchar	30	-	Stores price of ticket.

Name: Pritam Saha

ID: 375

Table: Ticket

Description: This table store the information of Ticket

No.	Field name	Data Type	Size	Constraint	Description
1.	Trans. type	Varchar	15	Primary key	
2.	Departure time	Varchar	30	Not Null	
3.	Arrival time	Varchar	30	Not Null	
4.	Departure station	Varchar	30	Foreign key	
5.	Arrival station	Varchar	30	Foreign key	
6.	Via Station	Varchar	30	Foreign Key	
7.	Distance	Varchar	5	Not Null	
8.	Rent	int	-	Foreign key	

### Table: Rent

Description: This table store the sales information of ticket.

No.	Field Name	Data type	Size	Constraint	Description
1	Rent	int	-	Foreign key	
2	Route-id	int	11	Foreign key	
3	Distance	Varchar	5	Not Null	
4.	Ticket-type	Varchar	20	Foreign key.	



## Table : Time table

Description : This table store the route information of the ticket

No	Fieldname	Data Type	Size	Constraint	Description
1	Route-id	int	11	Foreign key	It stores id of the route
2	Departure station	varchar	30	Foreign key	Route detail
3	Arrival station	varchar	30	Foreign key	Reference
4	Via station	varchar	30	Foreign key	Route detail
5	Distance	var char	5	Foreign key	Departure time
6	Departure time	var char	30	Not Null	Arrival time
7	Arrival time	var char	30	Not Null	Route detail
8	Rent	int	-	Foreign key	Route Detail



### Table: Contact-us

Description: This table are store the all contact person detail

No	Fieldname	Datatype	size	Constraint	Description
1	customerid	int	11	Foreign key	stores id
2	username	varchar	30	Foreign key	stores name
3	email	varchar	30	Null	stores email
4	message	text		Not null	stores message



Table: Password\_Update

Description: This table store the information of the change password.

No	Fieldname	Data Type	Size	Constraint	Description
1	Id	int	6	foreign key	stores id
2	Old-Password	varchar	30	foreign key	stores old password
3	New Password	varchar	30	Not null	stores new password
4	Type	varchar	10	Not null	stores admin



Name: Prokash Maitra

Roll : 370

Part : Entity Relationship Diagram

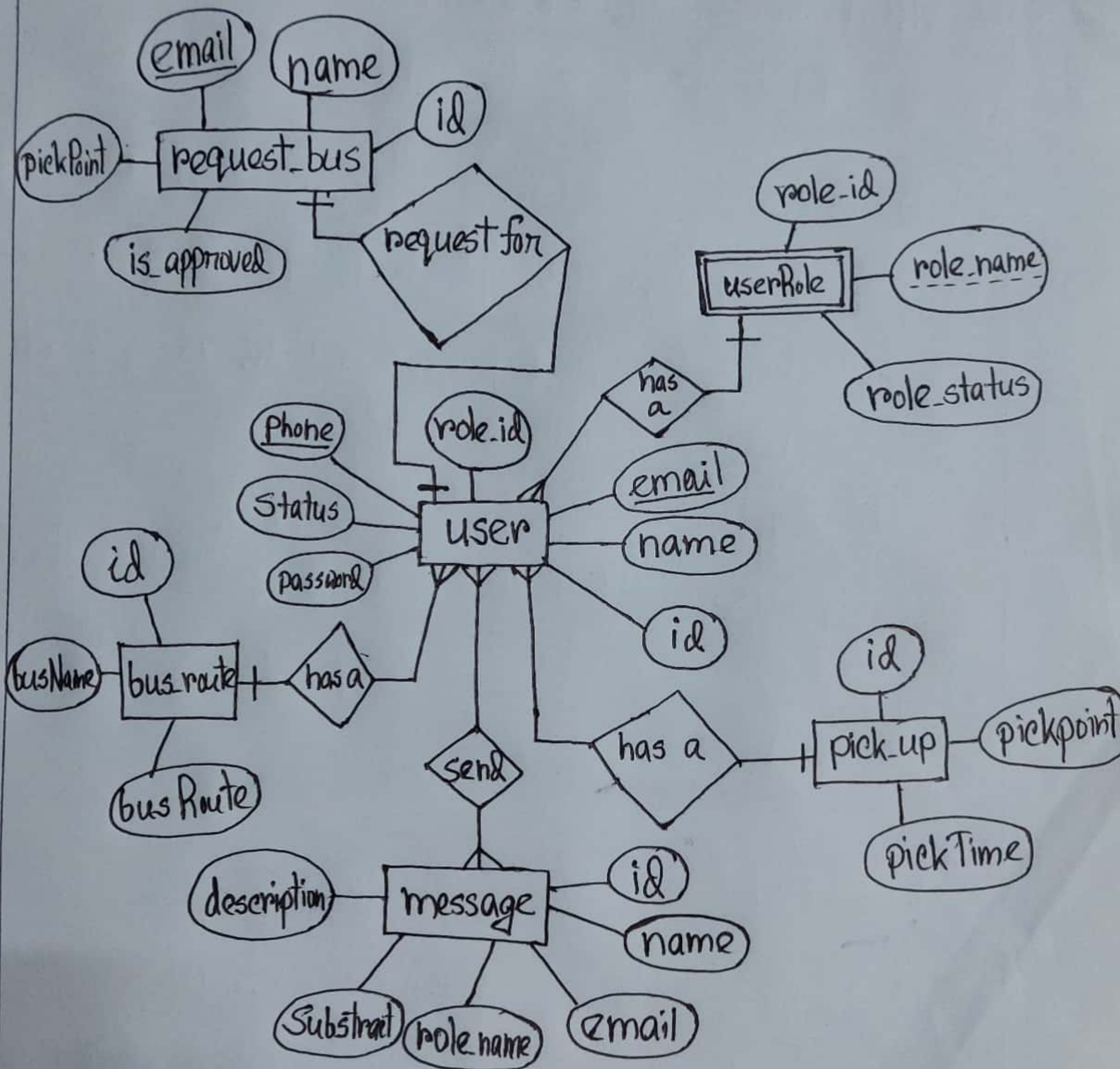


Figure: Entity Relationship Diagram