

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**

#### Dr. Mohammad Zahidur Rahman

Professor

#### Dr. Md. Humayun Kabir

**Professor** 

Department of Computer Science & Engineering Jahangirnagar University, Savar.

Group No : 02

Group members :

SI	Class Roll	Name
01	342	Tama Shil
02	370	Prokash Maitra
03	374	Mubasher adnan jihad
04	375	Pritam Saha

Tama Shil

ID: 342

Paret: Db schemes

## Objective:

The objective of this experciment is to show the ER diagream and Database schemas of p bus ticket booking management system.

## Data Dictionary

SL. No	Table name
	Admin
1	customera
2.	Route Detail
3.	Ticket
	Rent
5.	Payment
6.	Book Detail
7.	Password
8	Time-Table
9 .	Contact us
10.	Bus Detail
17.	Das Perali

# Table - Admin

Description: This table storce admin information

				-	
No	Fieldname	Datatype	Size	key	Descreiption
1	Admin-id	int	6	Primarry	Stories Id
2	usermame	Varicha	30	Uniquekey	storres username
3	password	Varrehar	30	Not null	stores password
4	email	varcchar	30	Not null	storces email

# Table - austomera

Description - This table storce a customera information.

No	Fieldname	Data	Size	KCY	Description
			5	Arimary	Storres id.
02	C-name	varchar	30	Unique	Storres name
03	email	varcchar	30	-	stores email
04	phone	varchan	30	-	Stores phonember
05	Payment	vartahar	30	-	Stores payment method
06	Gendere	varrchar	30		Stores Genden.

# Table: Route Detail

Description! This table storce the route information.

No	Fieldname	Pata	Size	key	Descreiption
01	Route-id	int	5	Primary	Storces Id of bus route
2	Destination	Varcehar	30		stores destinition
3	Pickup	Varchar	30		Stores pickup
4	Distance	varrehar	30		Storces Distance
5	Rent	Varchay	30		Storres price of ticket.

Name: Pritam Saha ID: 375

Talle : Ticket

Desertiption: This table are storre the infortemation of Ticket

No	Field name	Data Type	Size	Constraint	Description
1.	Trans. type	Vatre hare	15	Przimarzy	
2.	Depareture	Varreham	30	Not Null	
3.	ATERINA !_	Varzehorz	30	NOT NOT	
4.	Depareture Station	Varzeharz	30	Forzeign Ly	
5.	Arzeival _ Station	Vatrehore	30	Forriegn key	
c .	via Station	Varzeharz	30	Forceign Key	
7.	Distance	Varieton	5	Not Nul)	
8.	Rent	in+	-	Forzeign by	

### Table: Kent

Deserciption: This take aree store the sales informa - tion of ticket.

Fi'o Knowne	Datatype	Size	Constraint	Description
Rent	in+	-	POTZETON Luy	
Route-id	int	-		
Distance	Varæhar	5	Not NUI)	
Ticket-type	Varrehan	20	Forceign	
	Rent Route-id Distance	Rent int Route-id int Distance Varachare	Rent int - Route-id int 11 Distance Varachare 5	Route-id int 11 Forceign key

### Table: Time table

Description. This table are store the route information of the ticket

No	Fieldname	Parta	3120	Constraint	Description
	Route-id	int	11	Forceign	It storces id of the route
2	Departure	varichon	36	Forceign	Poute detail
3	Arrival	vonchan	30	Forceign	Reference
0+2	Via Station	varichan	30	Forceign	Route- aetail
5	Distance	vari	5	Forceign	Departure Hme
6	Departur	e voir char	36	Not Nall	Arcrival
7	Arcrival	Vor	36	Not Null	Poute- Detail
8	Rent	int		Forceign	Poute Detail

### Table: contact us

Description: This table are storce the all contact person detail

				step 2 prochist 1	100
No	fieldname	naturty pe	size	Constraint,	Description
Sand of	customeraid	trint	11-	Forceign key	stories id
2	username	varichan	30	Forceign key	stories
3	email	varicha	2 30	New 1	stories; email
4	message	2 text	31.0	Ina tou	storus

11 3/10

1000

Toppid.

stung.

120400

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

No	Fieldname	Data 1	size	Constraint	1
1	Ta	int	6	foreign	Description
2	Perss wond	vanchan	30	forceign	Storus
3	Passwond	varichan	30	Not mail	Stories old passive stories
9	Type	varichan	10	Not 1	stories
	Harry 1	1	1	Beliefond !	-
	Charles !				72

1600 20

100 100

141142

William IT

NAT 2017 7 3

Freeze

Displet

391-1 2000

Name: Prokash Maitra

Roll: 370

Parot: Entity Relationship Diagram

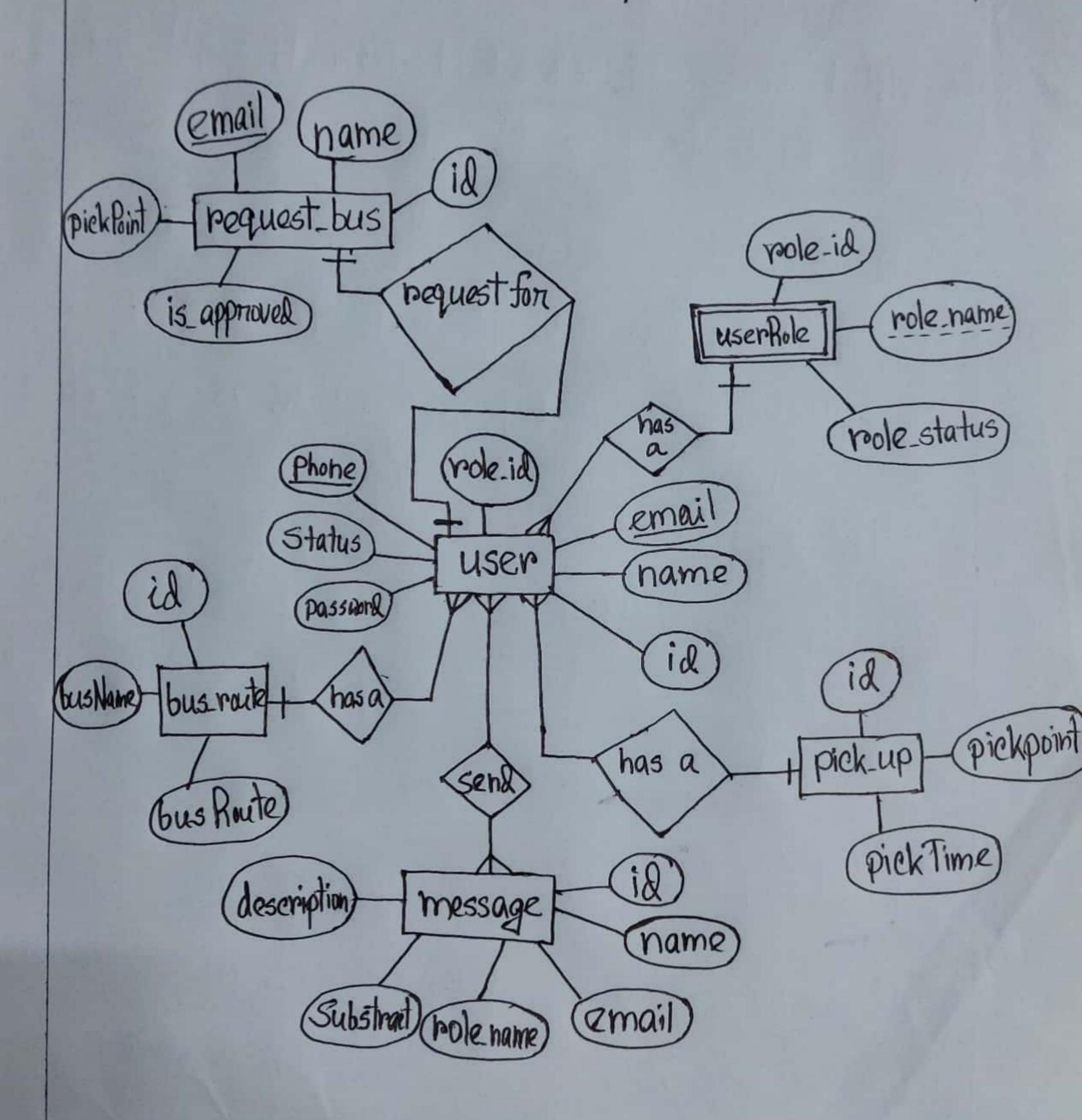


Figure: Entity Relationship Diagram