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 our Project Using Tools

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Group No   :   02

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03	374	Mubasher adnan jihad
04	375	Pritam Saha

Objective: The objective of the Logical Design and Data Modeling phase in the Bus Ticket Management System project is to define the structure, relationships, and behavior of the system's data components. This phase focuses on creating a conceptual and logical representation of the system's data requirements and designing an efficient and scalable data model to support the system's functionality. The use of appropriate tools and techniques is crucial to accomplish this objective effectively.

Table-Admin

Description: The table store admin information

No	Fieldname	Datatype	Key	Size	Description
01	Admin_id	int	Primary	5	Stores id
02	username	varchar	Unique key	30	Stores username
03	email	varchar	Not null	30	Stores email
04	password	varchar	Not null	30	Stores password

Table-Customer

Description: The table store customer information

No	Fieldname	Datatype	Key	Size	Description
01	Customer_id	int	Primary	5	Stores id
02	username	varchar	Unique key	30	Stores username
03	email	varchar	Not null	30	Stores email
04	password	varchar	Not null	30	Stores password
05	Gender	char	Not null	2	Stores gender
06	Phone	varchar	Not null	20	Stores number

Table-Route detail

Description: The table store route details information

No	Fieldname	Datatype	Key	Size	Description
01	Route_id	varchar	Primary key	5	Stores id
02	Destination	varchar	Not null	30	Stores destination
03	Pickup	varchar	Not null	30	Stores pickup
04	Distance	char	Not null	30	Stores distance
05	Rent	int	Not null	5	Store Rent

Pritam Saha

ID:375

Table-Ticket

Description: The table store ticket information

No	Fieldname	Datatype	Key	Size	Description
01	Trans_type	varchar	Primary key	15	Stores Trans_type
02	Departure type	varchar	Not null	30	Stores Departure type
03	Arrival time	varchar	Not null	30	Stores Arrival time
04	Departure station	varchar	Not null	30	Stores Departure station
05	Arrival station	varchar	Not null	5	Stores Arrival station
06	Via station	varchar	Not null	30	Stores Via station
07	Distance	varchar	Not null	30	Stores Distance
08	Rent	varchar	Foreign key	30	Stores rent

Table-Rent

Description: The table store rent information

No	Fieldname	Datatype	Key	Size	Description
01	Rent	int	Foreign key	15	Stores Rent
02	Rent_id	int	Primary key	30	Stores id
03	Distance	varchar	Not null	30	Stores distance
04	Type	varchar	Foreign key	30	Stores type

Name: Mubasher Adnan Jihad

Roll :374

Table-Time-table

Description: The table store route information of the ticket

No	Fieldname	Datatype	Key	Size	Description
01	Rent_id	int	Foreign key	30	Stores id
02	Departure time	varchar	Not null	30	Stores Departure time
03	Arrival time	varchar	Not null	30	Stores Arrival time
04	Departure station	varchar	Not null	30	Stores Departure station
05	Arrival station	varchar	Not null	5	Stores Arrival station
06	Via station	varchar	Not null	30	Stores Via station
07	Distance	varchar	Not null	30	Stores Distance
08	Rent	varchar	Foreign key	30	Stores rent detail

Table-Contact Us

Description: The table store rent information

No	Fieldname	Datatype	Key	Size	Description
01	Customer_id	int	Foreign key	5	Stores id
02	username	varchar	Foreign key	30	Stores username of customer
03	email	varchar	Not null	30	Stores email
04	message	varchar	Foreign key	30	Stores message

Table-Password Update

Description: The table stores information of changed password

No	Fieldname	Datatype	Key	Size	Description
01	Id	int	Foreign key	5	Stores id
02	Old_pass	varchar	Foreign key	30	Stores old password
03	New-pass	varchar	Not null	30	Stores new password
04	type	varchar	Not null	30	Stores type

Name: Prokash Maitra

Class Roll: 370

Exam Roll: 191372