



Department of Computer Science and Engineering

Report on

Path-Way Services

Prepared for

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Course 3324

Information System Design and Software Engineering Lab

Prepared by

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Introduction:

The name of our project is PATH-WAY SERVICES. It is basically a website that will help people to purchase tickets of transports. Bus, Train and Launches are the most commonly used public transports. But for now, we develop this website for the bus transport. People can easily book their tickets according to the date and available route.

Objective:

This project goal is to minimize the sufferings of purchasing tickets. Admin will keep the website updated with transport's information, adding new routes, adding seat information handle pending tickets and so on. And for the users they can easily buy tickets, cancel booking, contact with the admin and so on.

Entity Names , Attributes & Data Type:

1.User:

- User_Id [DataType: int]
- User_Name [DataType: varchar]
- Name [DataType: varchar]
- User_Password [DataType: varchar]
- User_Phn [DataType: varchar]

2.Admin:

- Admin_Id [DataType: int]
- Adminuser_Name [DataType: varchar]
- Password [DataType: varchar]

3.Route:

- Route_Id [DataType: int]
- Route_Name [DataType: varchar]

4.Bus Schedule:

- Bus_Id [DataType: int]
- Route [DataType: varchar]
- Total_Seat [DataType: int]
- Seat_Cost [DataType: int]
- Sold_Seat [DataType: int]
- Available_Seat [DataType: int]
- Date [DataType: varchar]
- Time [DataType: varchar]

5.Seat Information:

- Seat_Id [DataType: int]
- Bus_Id [DataType: int]
- Seat_Name [DataType: varchar]
- Sold_Seat [DataType: int]
- Available_Seat [DataType: int]
- Seat_Cost [DataType: int]

6.Pending Tickets:

- Pending_Id [DataType: int]
- Bus_Id [DataType: int]
- User_Name [DataType: varchar]
- Full_Name [DataType: varchar]
- Seat_Name [DataType: varchar]
- Seat_Cost [DataType: int]
- Transaction_No [DataType: varchar]
- Status [DataType: varchar]

7.Transaction Information:

- ID [DataType: int]
- User_Name [DataType: varchar]
- Transaction_Date [DataType: varchar]
- Transaction_Id [DataType: varchar]
- Card_Type [DataType: varchar]
- Amount [DataType: int]
- Bank_Transaction_Id [DataType: varchar]
- Status [DataType: varchar]

8.Contact:

- Contact_ID [DataType: int]
- Full_Name [DataType: varchar]
- Email [DataType: varchar]
- Subject [DataType: varchar]
- Message [DataType: varchar]

Relationship between the entity sets:

1.Interact Through:

- Between user/non-user and contact entities.

2.Receiving Message From:

- Between admin and contact entities.

3.Add:

- Between admin and route entities.
- Between admin and bus schedule entities.
- Between admin and seat information entities.

4.Can See:

- Between admin and pending tickets entities.
- Between admin and transaction information entities.

5.Confirming Transaction Process:

- Between user and transaction information entities.

Sequence Diagram:

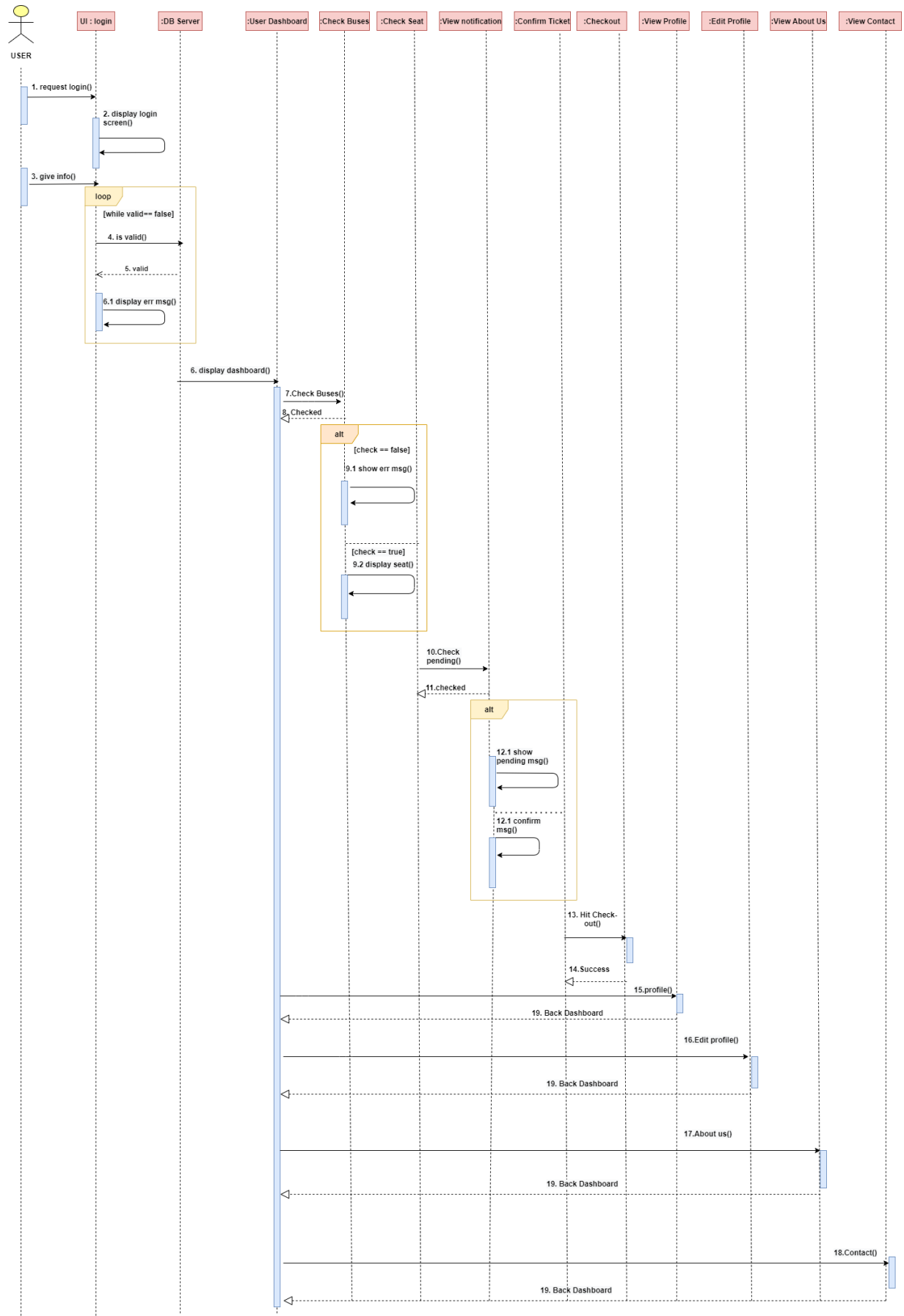


Fig: sequence diagram-1[user]

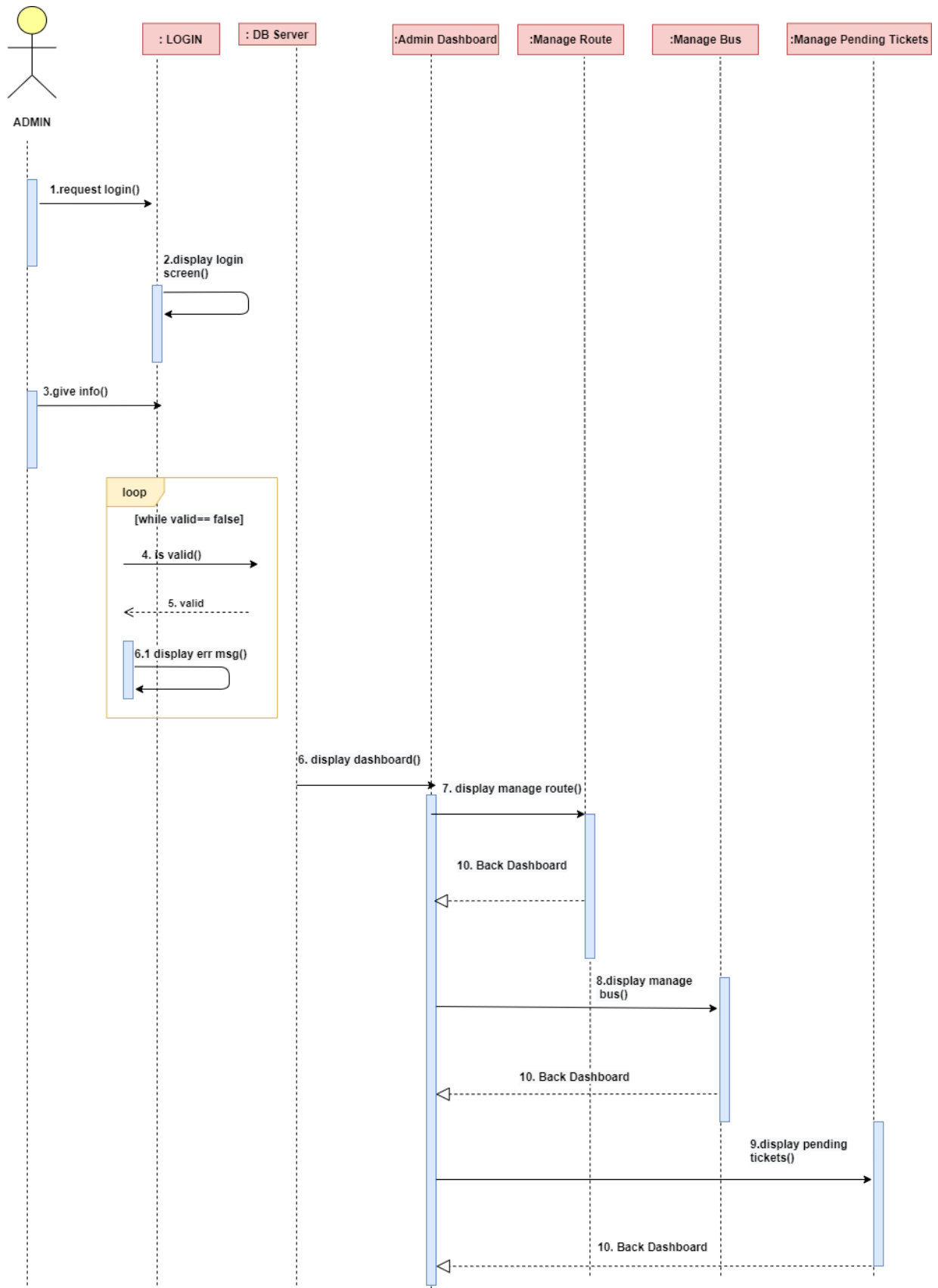


Fig: sequence diagram-2[admin]

Collaboration diagram :

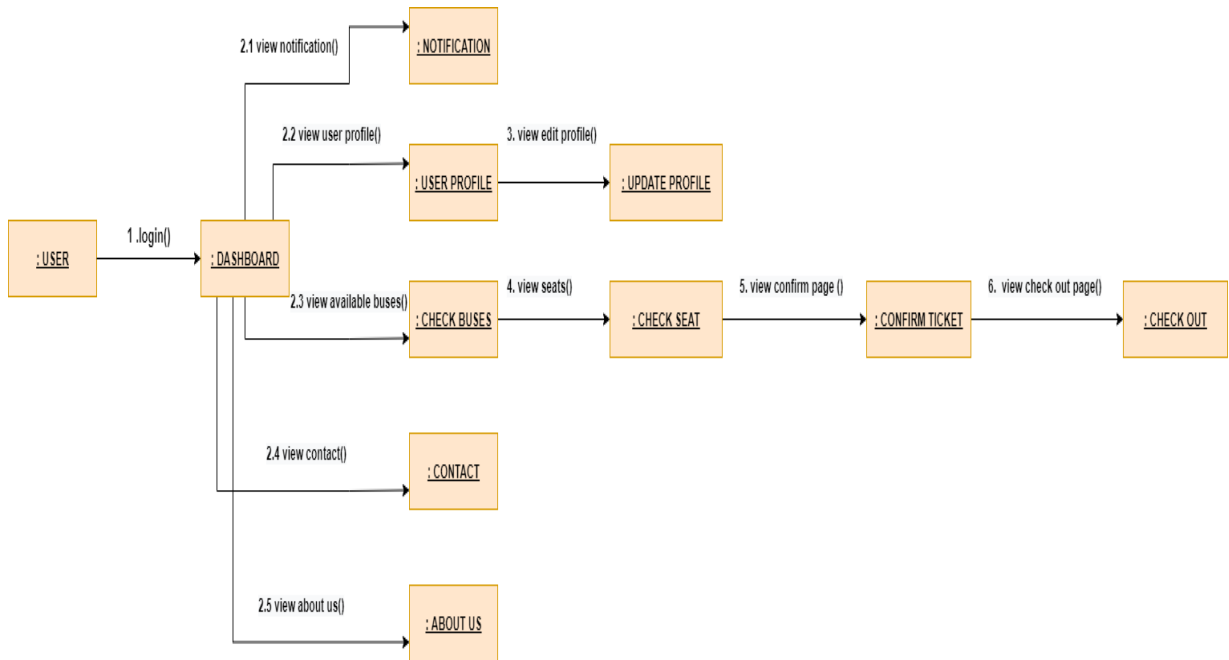


Fig: collaboration diagram-1[user]

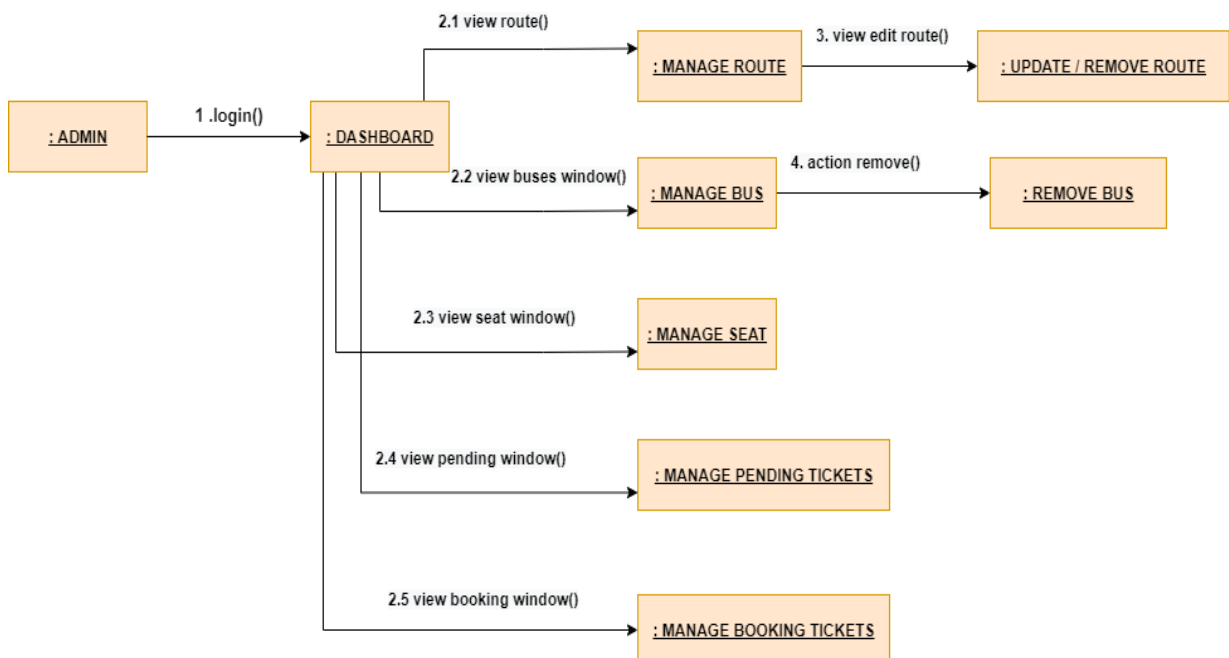


Fig: collaboration diagram-2[admin]

Entity Relationship diagram(ERD) :

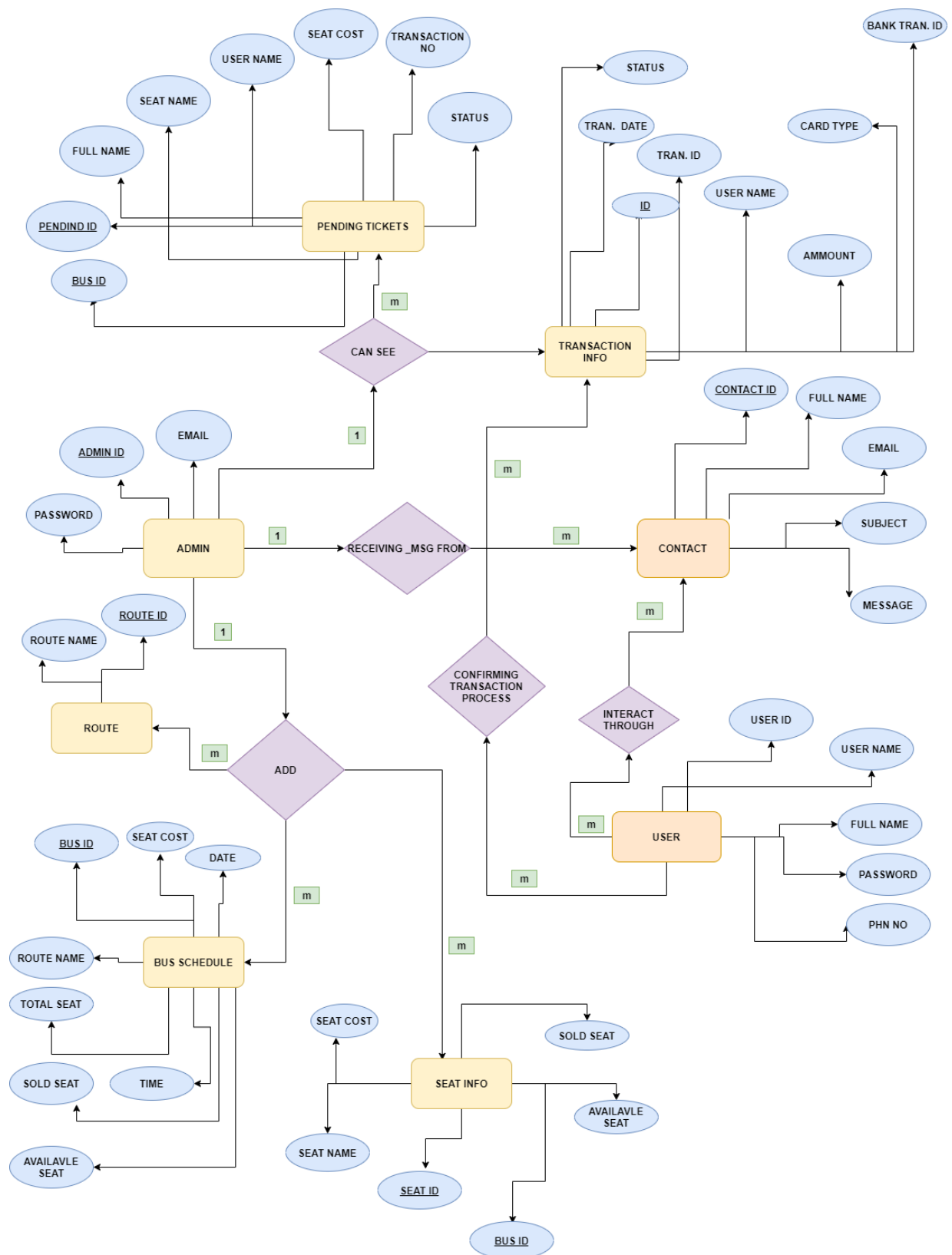


Fig: Entity Relationship Diagram.

Conclusion:

It will be very helpful for the people in this pandemic situation. We hope this website will help the people to be more digitalized and will be successful in this platform. We will try keep this website updated with the modern world.