Ex.no 2 **MODEL A USE CASE DIAGRAM**

Date

AIM:

To model a Use Case diagram for Railway Reservation system.

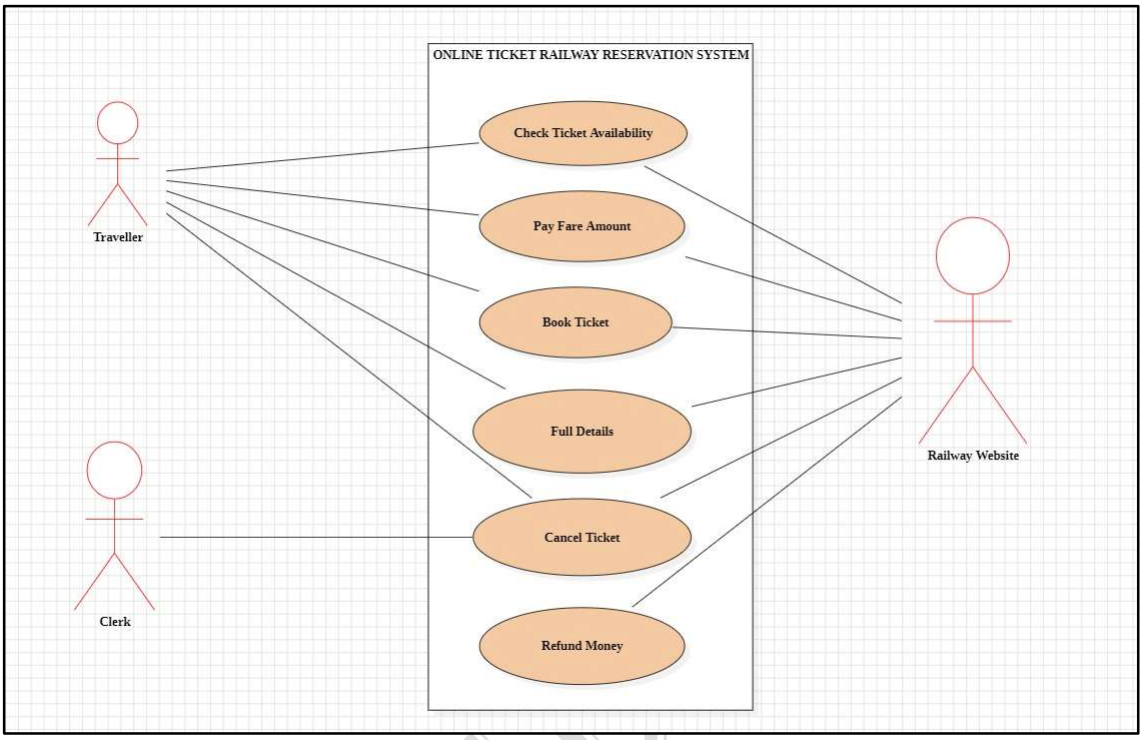
ALGORITHM:

- Collect the Use Cases for the Railway Reservation system.
- Create the Use Case Subject.
- Use the Associations to connect the Actors and the use cases.

PROCEDURE:

- Open the Star UML application.
- Create the Actors needed such as Traveler, Clerk, Railway Server.
- Create the Use Case Subject which will be provided in the left side panel.
- In that Use Case Subject, Create the Use Cases which will be in the Railway Reservation system such as Ticket Availability, Fare amount, Book Ticket, Cancel Ticket etc.,
- Use the Associations to link the Actors and Use Cases.

OUTPUT:



RESULT:

Thus, the Use Case Diagram has been generated successfully.

Ex.no 3 **MODEL A SEQUENCE DIAGRAM**

Date

AIM:

To model a Sequence diagram for Railway Reservation system.

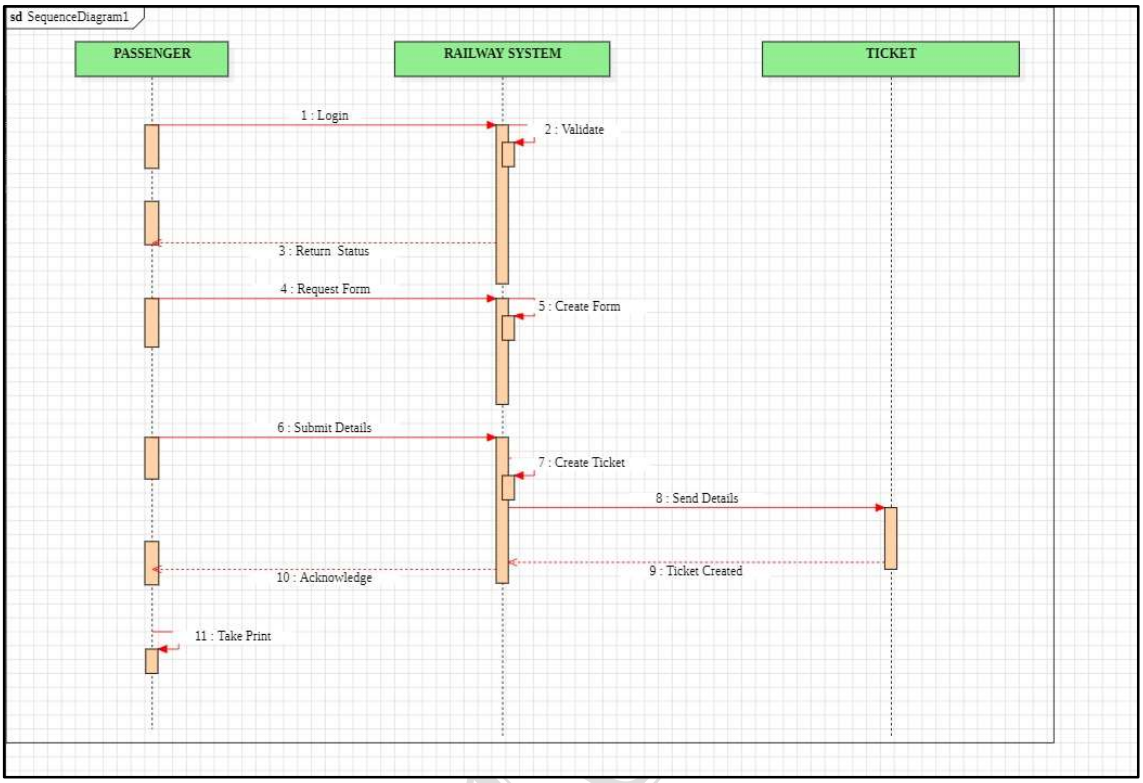
ALGORITHM:

- Create the lifelines for the Railway Reservation system and name it.
- Use the message you can able to connect the lifelines with some message in it.
- Do that in order, because it appears with the ordered numbers.

PROCEDURE:

- Open the Star UML application.
- In Sequence Diagram, Create the Lifeline as much the diagram wants.
- For the Railway Reservation System, the Lifeline such as Passenger, Railway System, Ticket.
- Now to connect the Lifelines through messages, use message from the left side of panel.
- Connect the message in the order, to get the detailed view of the Sequence diagram.
- The Self Message is also used in some of the Lifelines.

OUTPUT:



RESULT:

Thus, the Sequence Diagram has been generated successfully.

Ex.no 4 **MODEL A STATE CHART DIAGRAM**

Date

AIM:

To model a State Chart diagram for Railway Reservation system.

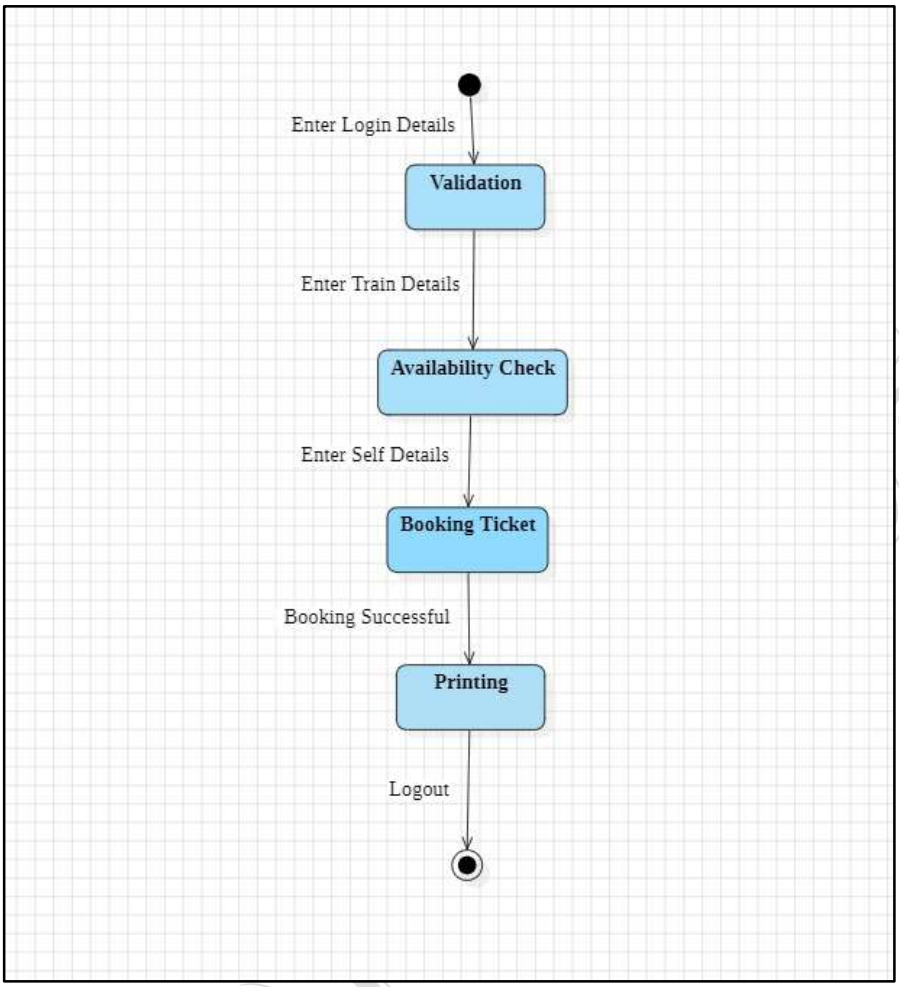
ALGORITHM:

- Create the states needed for Railway Reservation system.
- Use the Transitions to connect the states in the state chart.
- Start with the Initial state and End with final state.

PROCEDURE:

- Start the State Chart with the Initial state
- Create the number of states for Railway Reservation System.
- The states are such as Validation, Availability check, Booking Ticket etc.,
- Connect the States with the help of Transitions.
- And give the names of Transitions to understand more about the chart.

OUTPUT:



RESULT:

Thus, the State Chart Diagram has been generated successfully.

Ex.no 5 **MODEL AN ACTIVITY DIAGRAM**

Date

AIM:

To model an Activity diagram for Railway Reservation system.

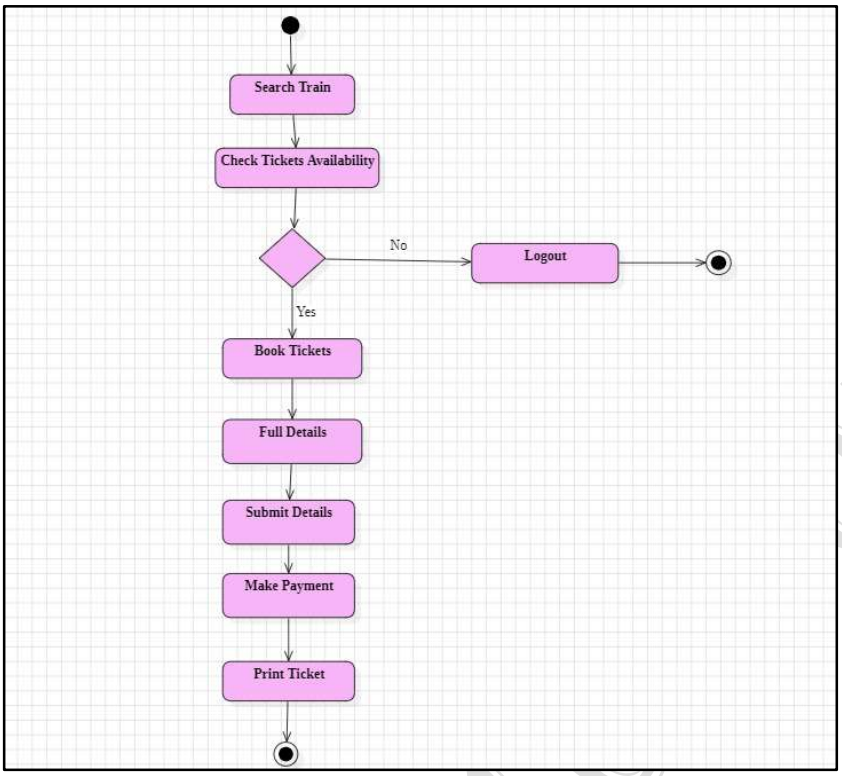
ALGORITHM:

- Create the Activities needed for Railway Reservation system.
- Use the Control flow to connect the Activities in the state chart.
- Start with the Initial state and End with final state.

PROCEDURE:

- Start the Activity Chart with the Initial state
- Create the number of Activities for Railway Reservation System.
- The Activity names such as Search Train, Availability check, Booking Ticket, Logout, Submit Details etc.,
- Use the Decision to choose whether it want to stop the operation or continue the operation.
- Connect the Activities with the help of Control Flow.

OUTPUT:



RESULT:

Thus, the Activity Diagram has been generated successfully.

Ex.no 6 **MODEL A COMPONENTS DIAGRAM**

Date

AIM:

To model a Components diagram for Railway Reservation system.

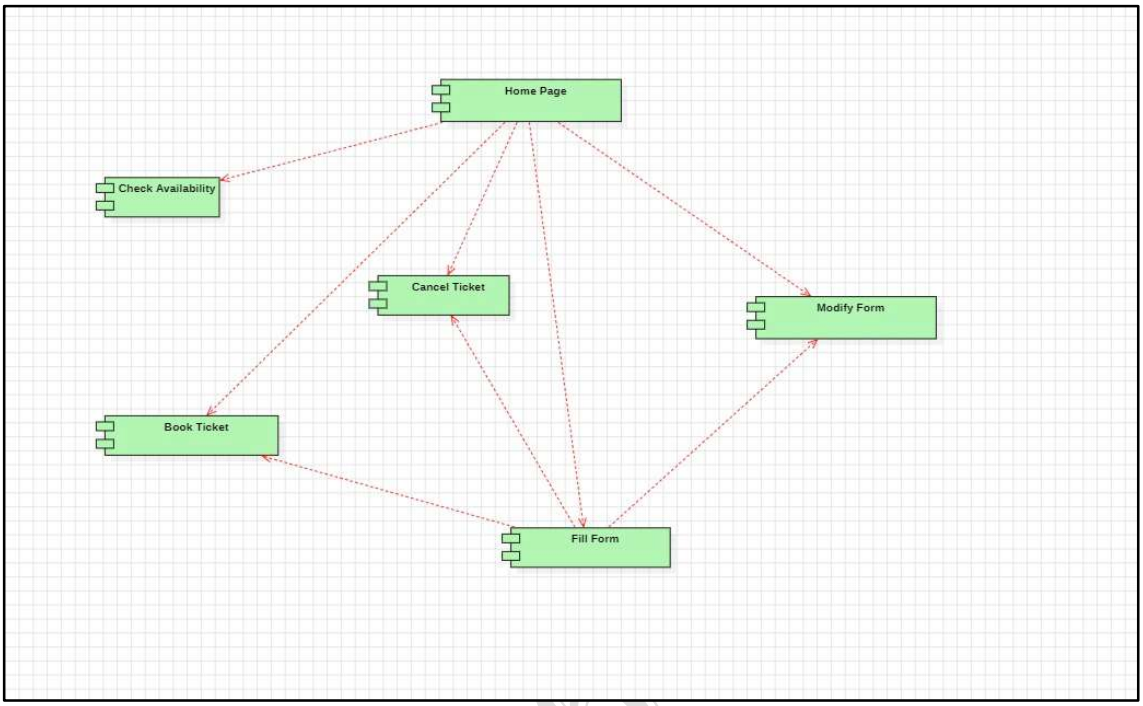
ALGORITHM:

- Create the components for the Railway Reservation System.
- Give the names for each component.
- Connect the Components with Dependency line.

PROCEDURE:

- Open the Star UML application.
- Use the component from the left panel and create the components as much needed.
- The Components for Railway Reservation such as Check Availability, Cancel Ticket, Modify form etc.,
- Connect the components through the Dependency.

OUTPUT:



RESULT:

Thus, the Component Diagram has been generated successfully.

Ex.no 7 **MODEL A DEPLOYMENT DIAGRAM**

Date

AIM:

To model a Deployment diagram for Railway Reservation system.

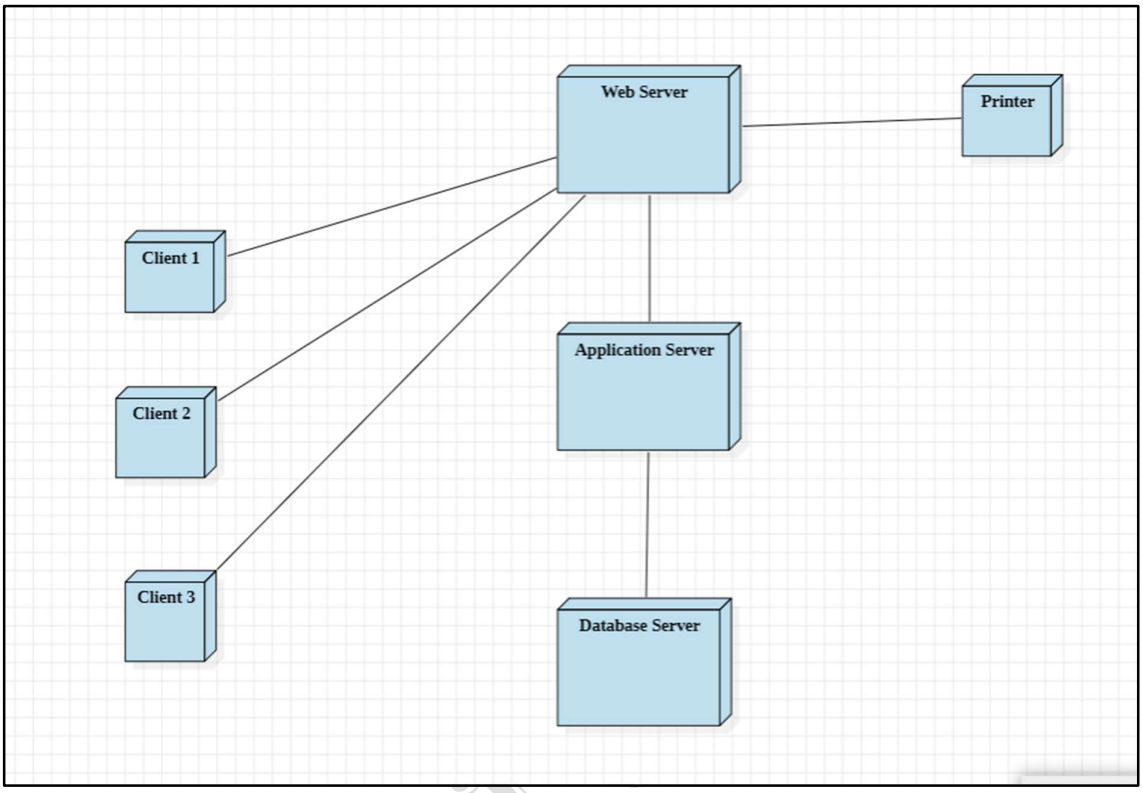
ALGORITHM:

- Create the Nodes for Deployment model.
- The nodes are such as Server and Clients etc.,
- Connect those nodes through Communication Path.

PROCEDURE:

- Open the Star UML application.
- Create the Nodes from the left side panel.
- Name the nodes such as Client1, Client2, Web Server, Application Based Server etc.,
- Connect the Nodes through the communication path.
- If it is need, name the communication path.

OUTPUT:



RESULT:

Thus, the Deployment Diagram has been generated successfully.

Ex.no 8 **MODEL A WIREFRAME DIAGRAM**

Date

AIM:

To model a Wireframe diagram for Railway Reservation system.

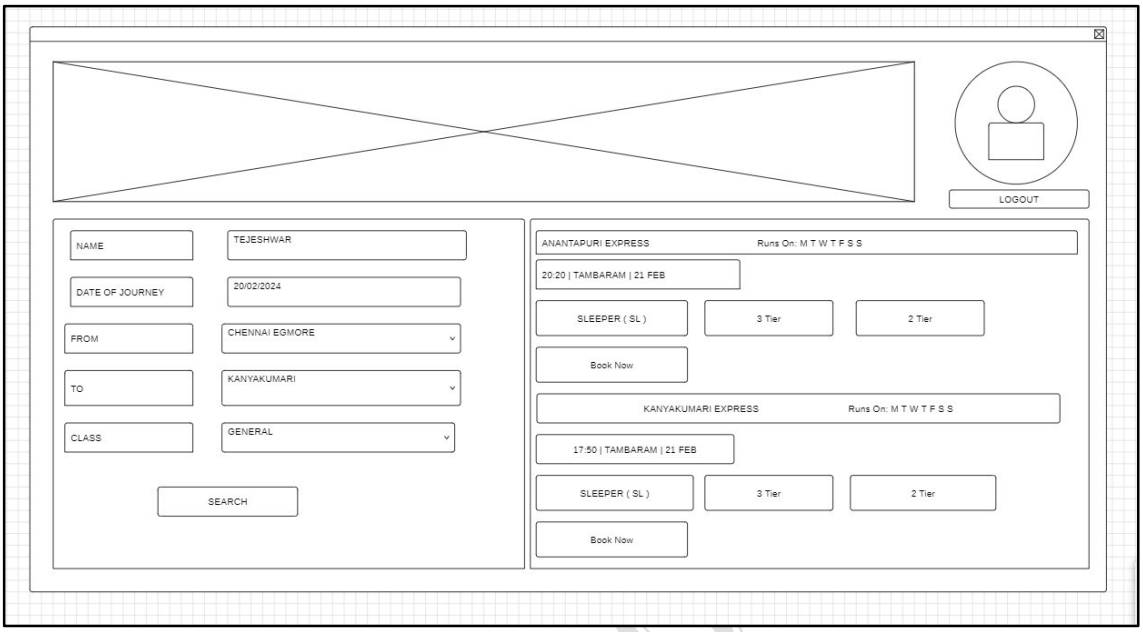
ALGORITHM:

- The wireframe is the blueprint of Application.
- To create the wireframe diagram, choose the frame.
- Use the components to create the wireframe for Railway Reservation System.

PROCEDURE:

- Open the Star UML application.
- Choose the Frame for your Railway Reservation System.
- Use the components to create the User Interface.
- Using these components, you can able to create Image icon, Avatar icon, Buttons, Input spaces, Tabs etc.,

OUTPUT:



RESULT:

Thus, the Wireframe Diagram has been generated successfully.