

# **TRAVEL POOLING**

## **FINAL REVIEW REPORT**

Submitted By

Anshul Sharma	16BCB0021
Gurkaran Sahni	16BCB0051
Vatsal Agrawal	16BCB0090

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## **PROJECT COMPONENT**

Submitted to

**MADIAJAGAN M**

**Associate Professor**

Department of Software Systems (SCOPE)

**School of Computer Engineering**



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## **ABSTRACT**

Travel pooling is a platform that will provide travellers a chance to share their travel plan with proper anonymity. With this they can know who else is travelling to the same destination at that time and hence provide a chance to find travel companion therefore letting them divide their travelling expenses. As this allows carpooling, it also provides a greener way to travel.

## **INTRODUCTION**

Many a times, people face difficulties like travelling alone or, having excessive costs, etc. while travelling from one place to another. Hence, to solve this problem, we have proposed this idea, of making a travel pooling website that will run on all android based devices. Here, people are travelling between same source and destination places, and on similar dates, can form a group so that they can communicate with each other and hence resolve the difficulties that travelling alone can incur. There would also be further provisions and functionalities in the website, like common mailboxes, GPS tracking etc.

### **Purpose:**

- The website will help to generate groups according to the dates you are travelling.
- This will help to reduce the overall cost of travelling for each person as when we travel in a group it's often more economic as than travelling alone.
- The group generated will take common dates and common destination and also people can be added to groups using a special group code.
- People can be added to group with the help of a unique group code with respect to each group.
- This all will reduce the journey cost by a great extent.
- People can plan their journey using the offers shown by the website.

### **Scope:**

The Scope of the Travel Pooling Project includes:

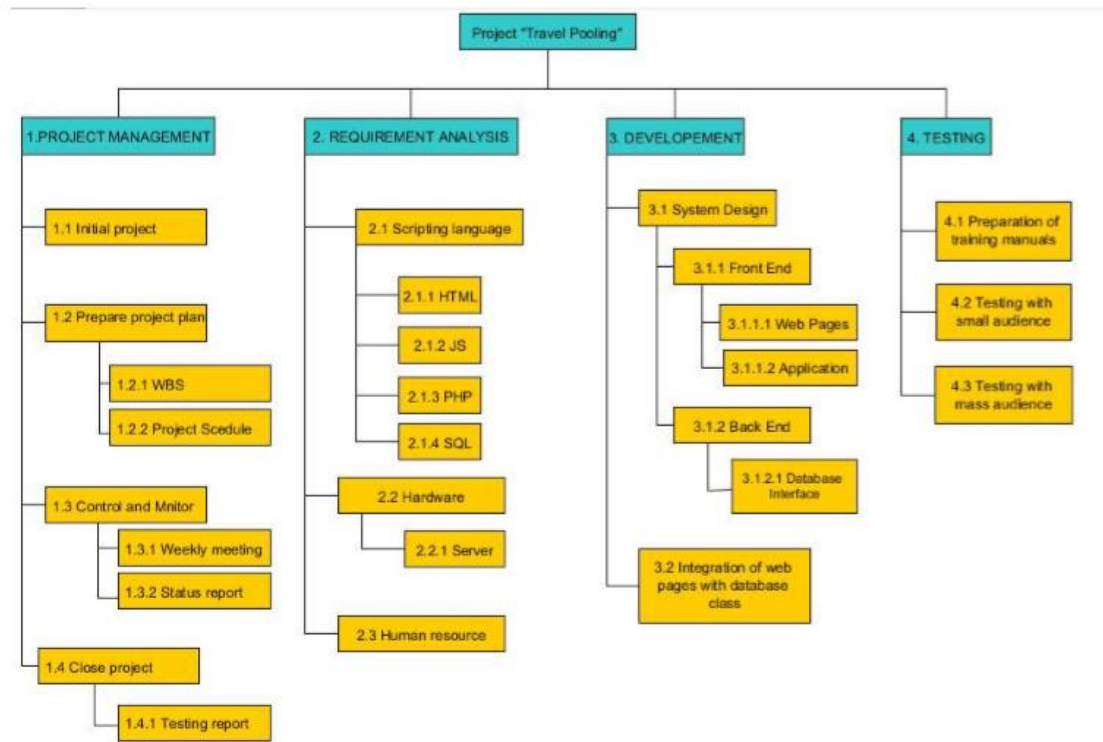
The objective of this project is generate groups according to places the person will travel to on a specific dates.

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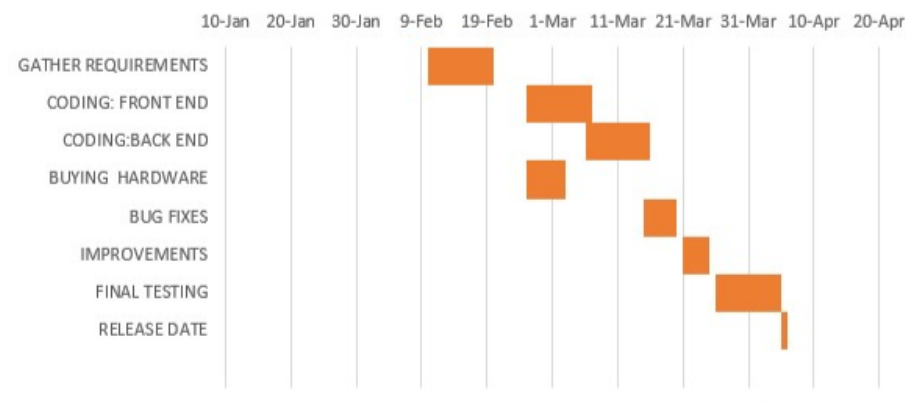
## Work Breakdown Structure :

A work breakdown structure (WBS) is a key project deliverable that organizes the team's work into manageable sections. The work breakdown structure visually defines the scope into manageable chunks that a project team can understand, as each level of the work breakdown structure provides further definition and detail.

Our work breakdown is summarized by the following diagram .

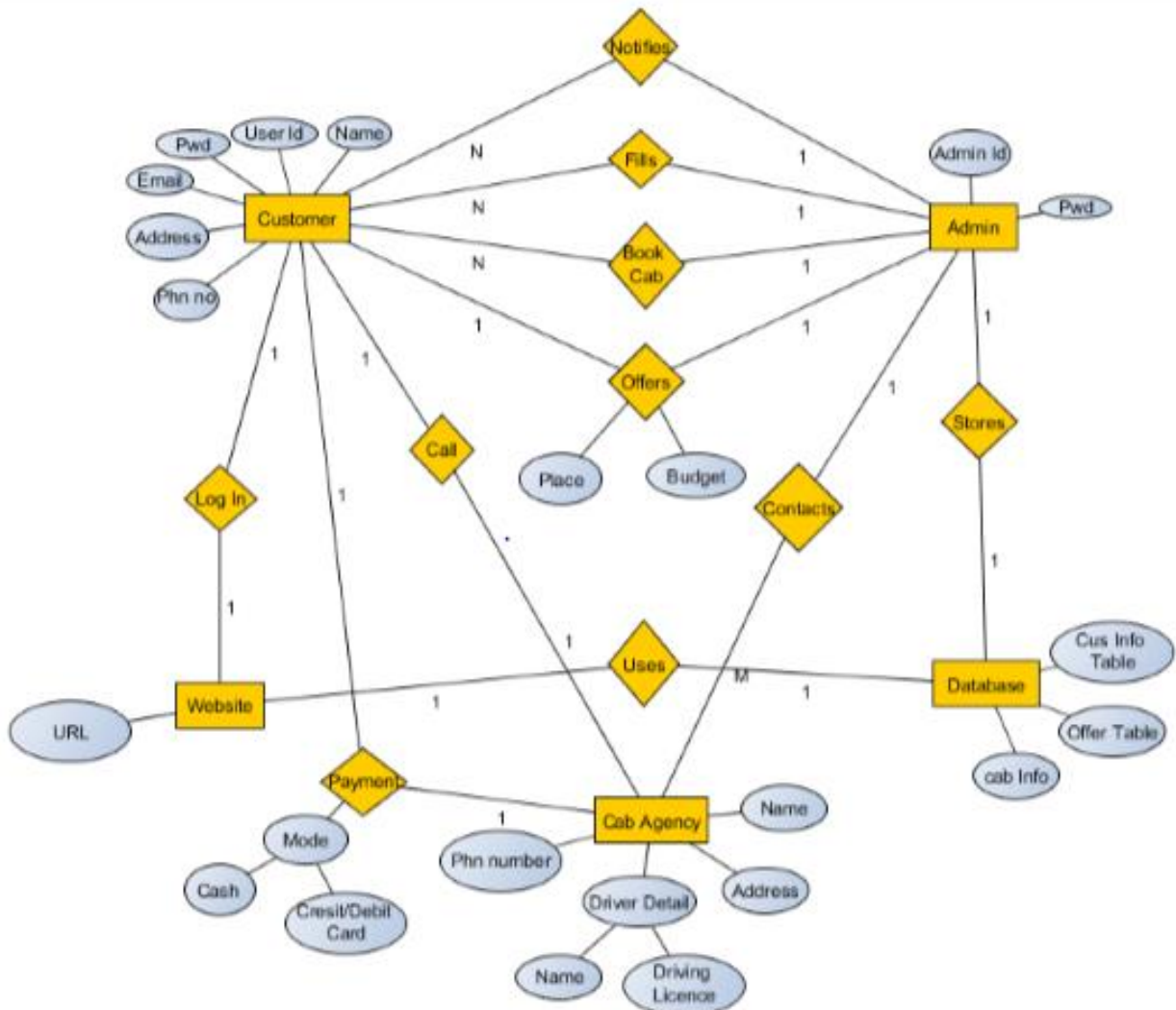


## Gantt Chart :



## ER Diagram

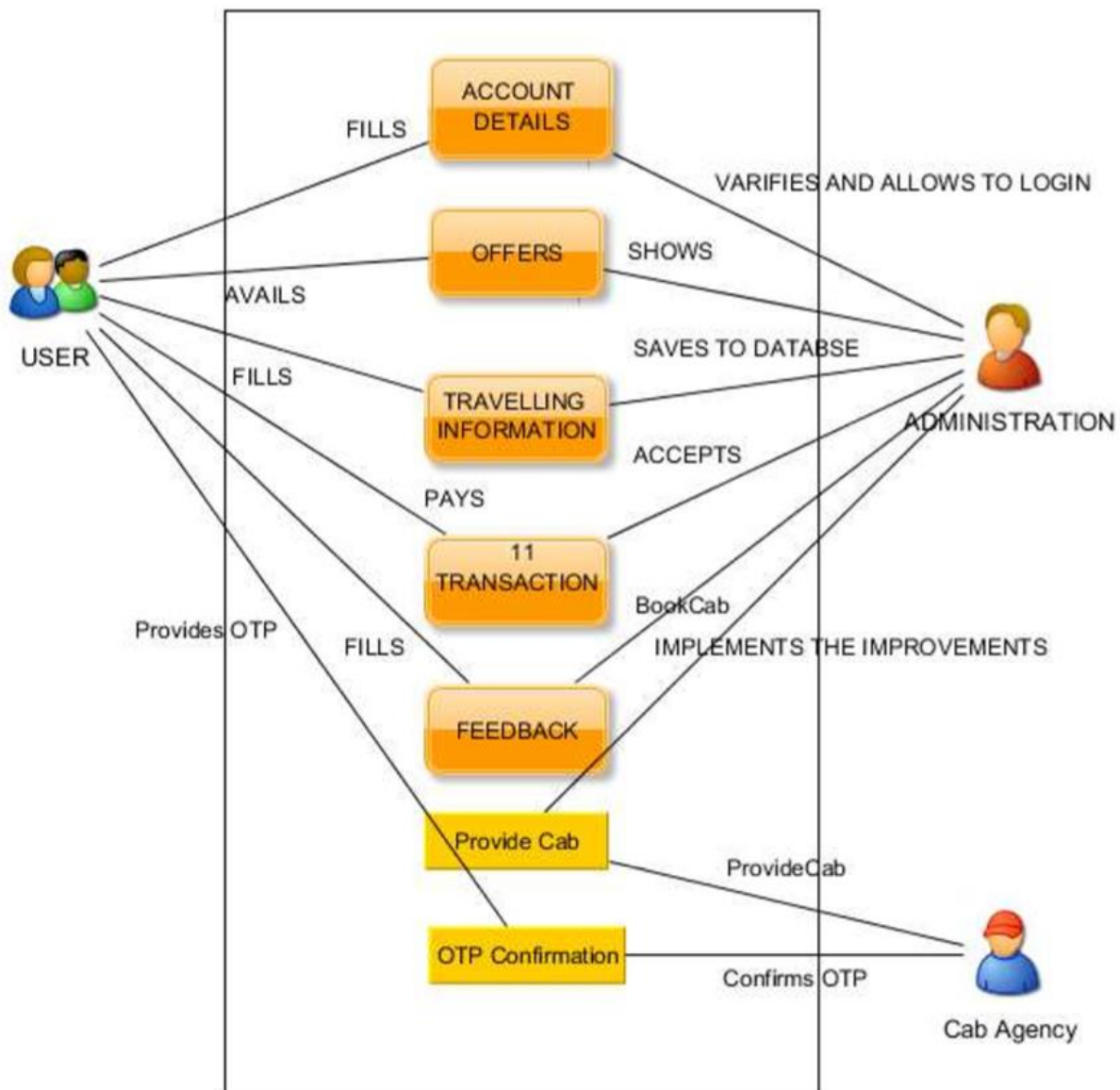
An entity relationship diagram (ERD) shows the relationships of entity sets stored in a database



## Use Case Diagram:

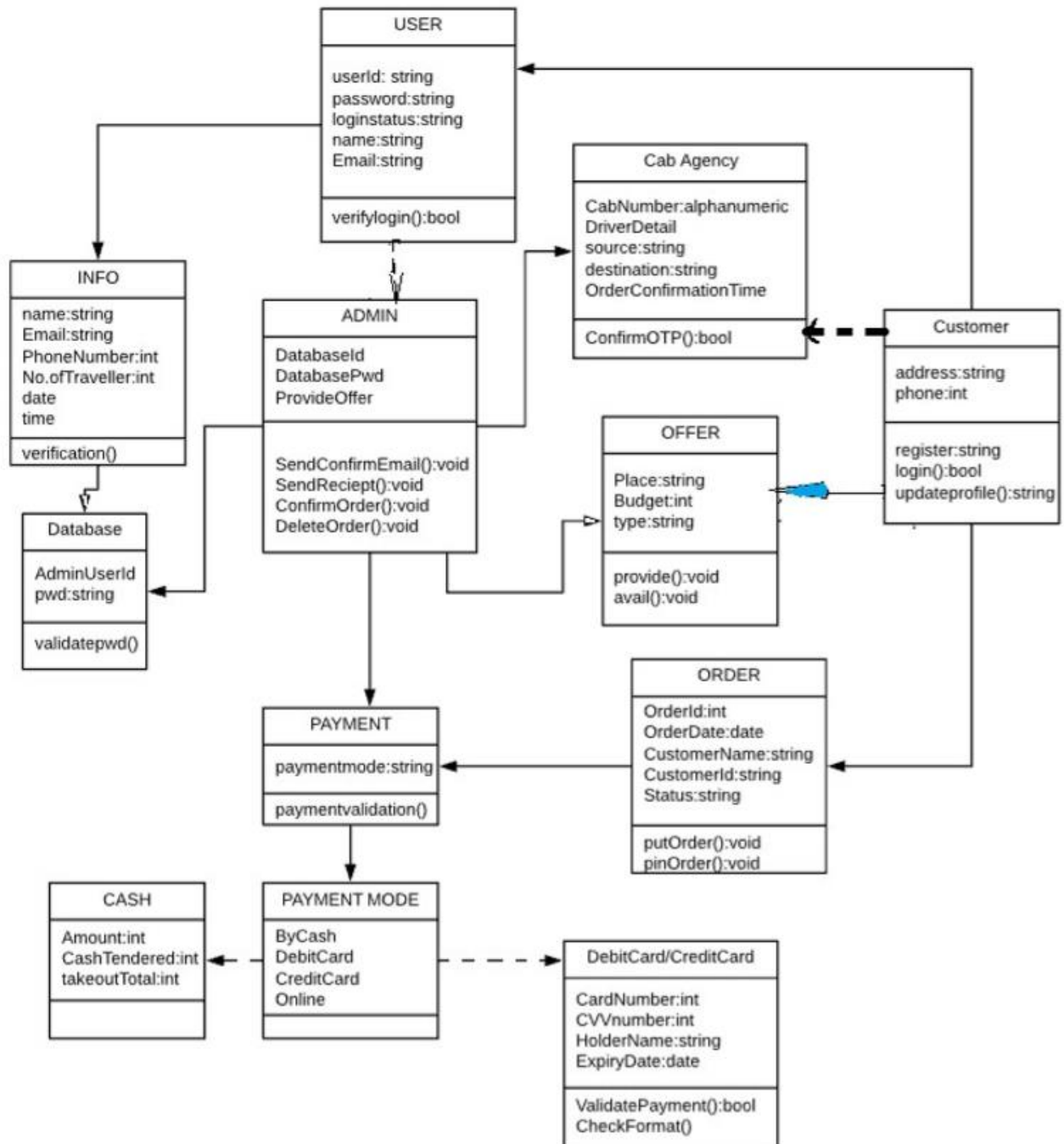
Use case diagrams are considered for high level requirement analysis of a system. So when the requirements of a system are analyzed the functionalities are captured in use cases

The following use case diagram provides information about which function is used by whom like users fill account details and provide feedback etc. Cab agencies provide cab and Otp conformation. Administration verifies and allows login and can see feedback etc.



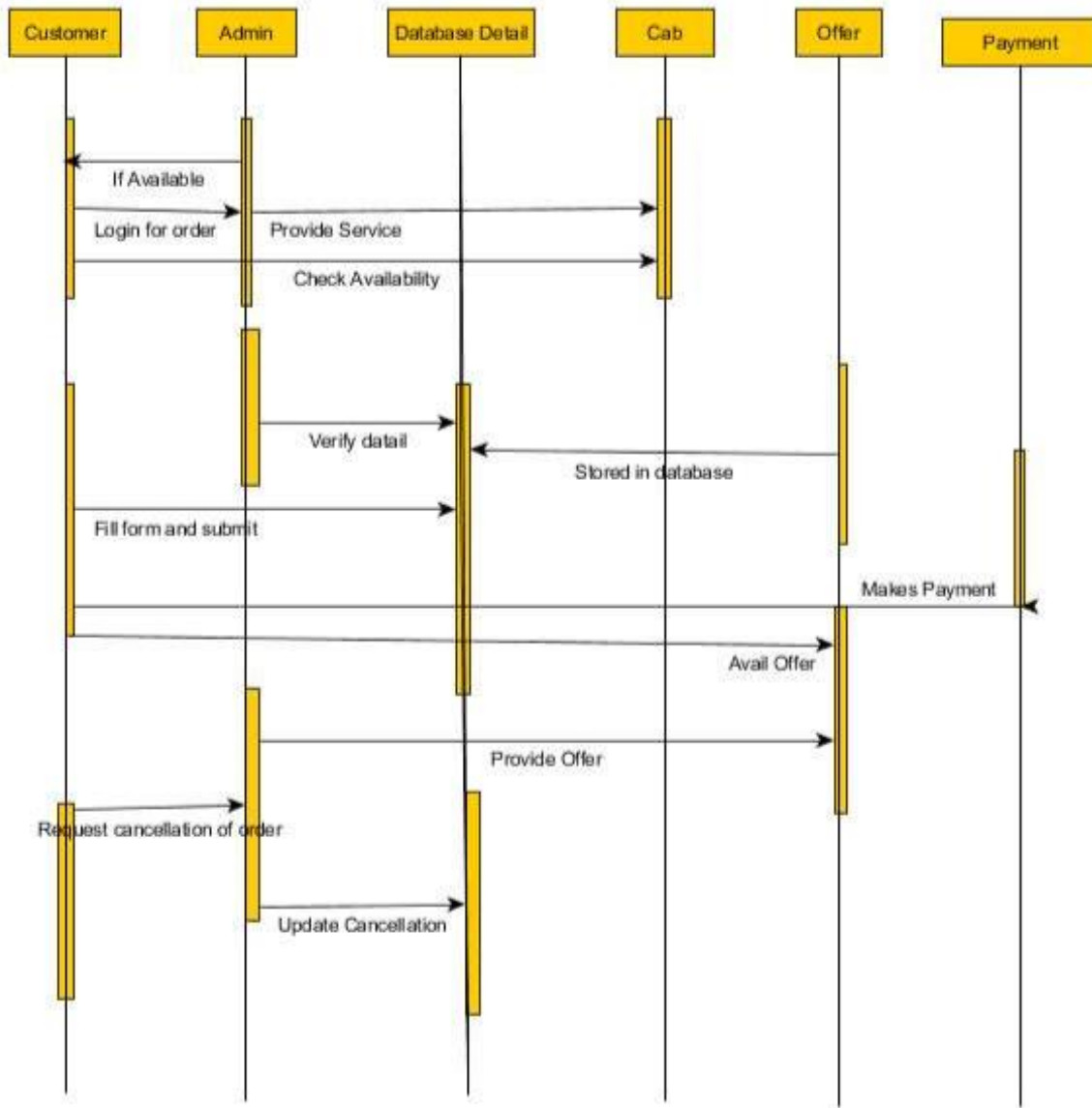
## Class Diagram

Class diagrams are the most popular UML diagrams used by the object oriented community. It describes the objects in a system and their relationships. Class diagram consists of attributes and functions



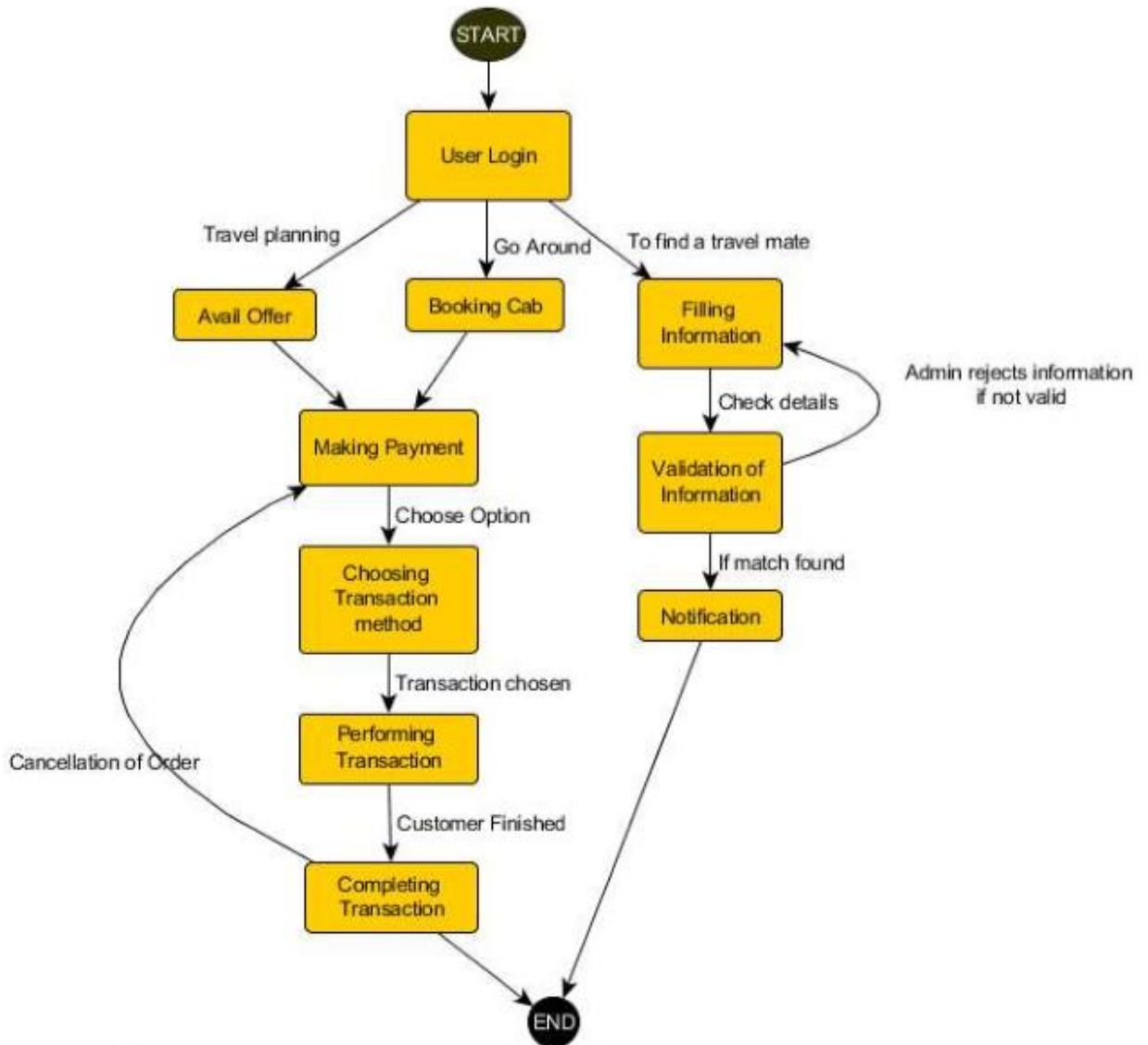
## Sequence Diagram

Sequence diagrams describe interactions among classes in terms of an exchange of messages over time. They're also called event diagrams. A sequence diagram is a good way to visualize and validate various runtime scenarios .



## State Chart Diagram

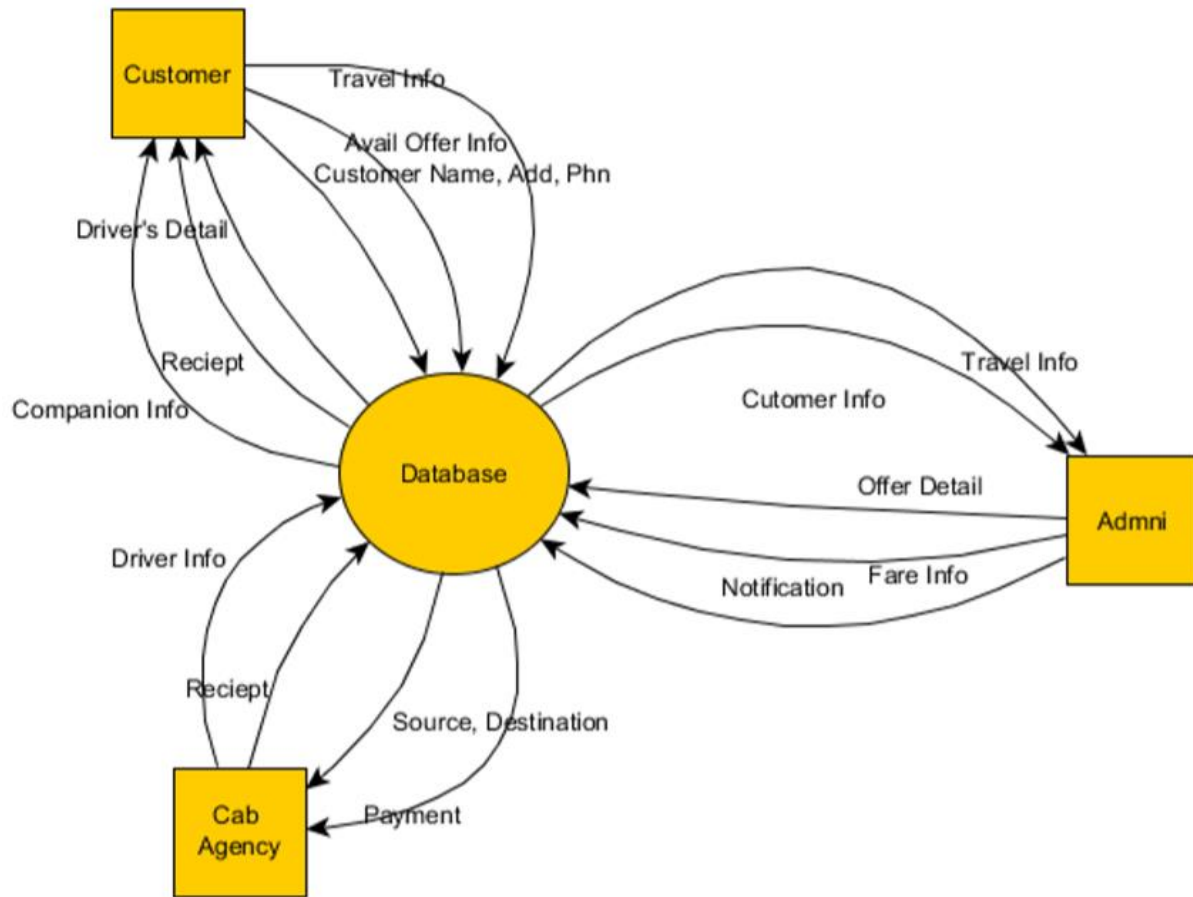
Activity diagram or state transition diagram is one of the five UML diagrams used to model dynamic nature of a system. They define different states of an object during its lifetime. And these states are changed by events. So Statechart diagrams are useful to model reactive systems. Reactive systems can be defined as a system that responds to external or internal events.





### Context flow Diagram:

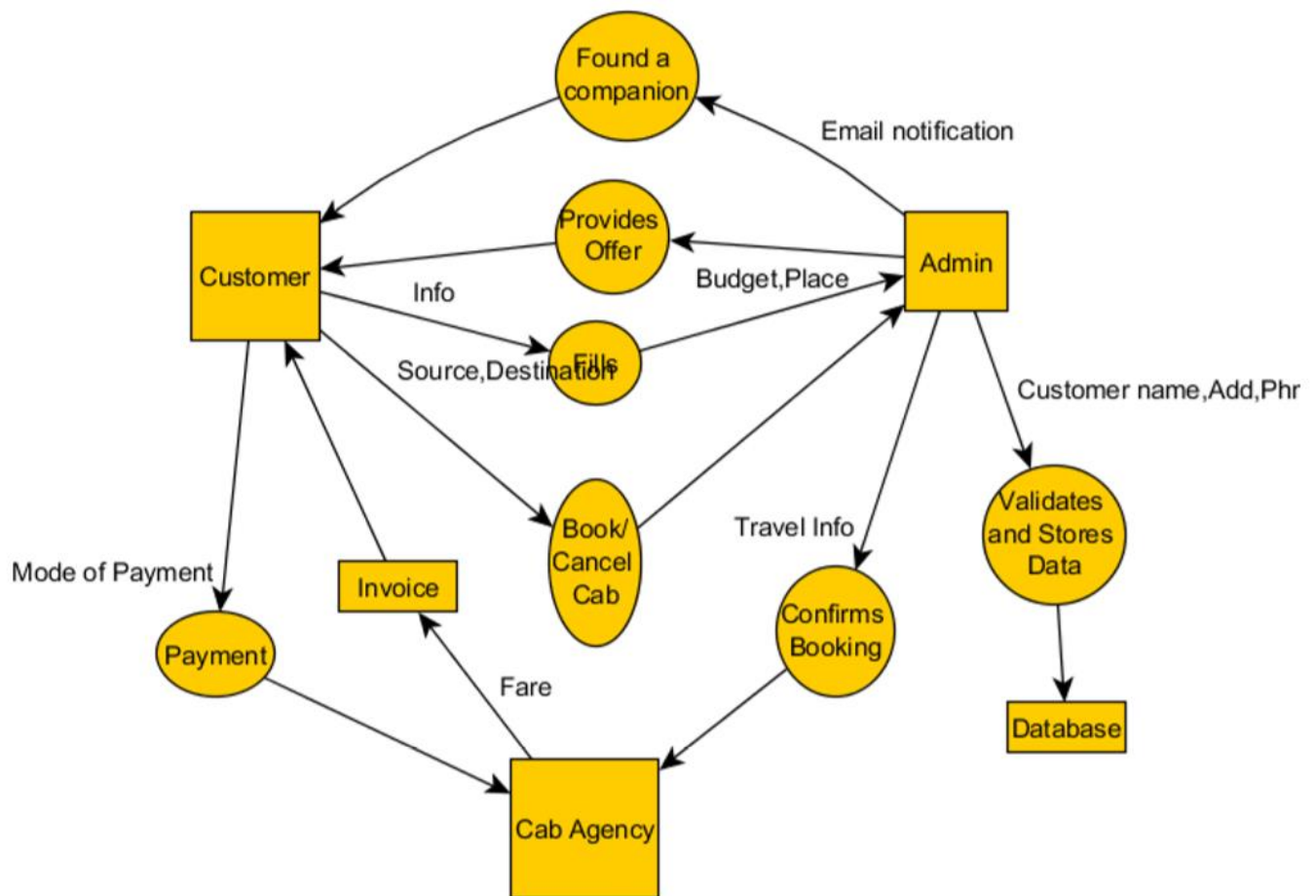
A system context diagram (SCD) in engineering is a diagram that defines the boundary between the system, or part of a system, and its environment, showing the entities that interact with it. This diagram is a high level view of a system. It is similar to a block diagram.



### Data flow diagram :

Data flow diagram (DFD) represents the flows of data between different processes in a business. It is a graphical technique that depicts information flow and the transforms that are applied as data move from input to output.

Flow starts from customer fills detail of source and destination then admin provides him with an offer and a companion and admin also stores data of customer in database. If customer is ok with the offer he books a cab (which he may cancel later ) then admin confirms booking and sends this information to cab agency who generates fare and then customer selects mode of payment to pay.



## IMPLEMENTATION DETAILS:

We have implemented the travel pooling by making an website by using HTML, CSS ,PHP , JavaScript. For backend, we are using MySQL as the database and php as server-side language.

Database is implemented in xampp. First a database is named iwp\_proj is made. Then table as per the website requirement is implemented.

## HOW IT WORKS

- The index page of the web app is the starting page of our application.
- User Can go directly to 4 pages from the navigation bar directly
- Pages in our website is as follows:

### **Home Page**

This page is the main page of website. Here you can see some beautiful locations of world. You can scroll down the page or you can directly go to other pages from the navigation bar.

### **Booking**

Here you have to fill your traveling details like name,destination,date,mode,etc. When you submit the details, you will be direct to other page where details of other passengers having same destination and date will be displayed.

### **Travel Info**

This page shows you some of the beautiful destinations to travel.You can choose them if want.

### **Contact us**

This page is for users to contact us. They can fill the given form and we will contact them as early as possible.

- To implement the 1<sup>st</sup> page following procedure is followed:
  1. We have used the HTML for the basic info and form creation of booking.
  2. Then CSSis used for the styling of page and JavaScript is used for animation of images and navigation bar
- To implement the 2<sup>nd</sup> page following procedure is followed:
  1. We have created a database named sdd\_proj and two tables are made in that
  2. 1<sup>st</sup> one is user\_info where all the travel info of user is inserted.
  3. 2<sup>nd</sup> one is feedback where we get the problems of user.

4. When user clicks the submit button, entered info of user is searched in the database, if it is found then it is displayed to the user, otherwise we will get back to them when it is available
- To implement the 3<sup>rd</sup> page following procedure is followed:
    1. We have inserted some beautiful images of destination using html.
    2. It is styled using the css and animated by the JavaScript.
  - To implement the 4<sup>th</sup> page following procedure is followed:
    1. We had made a form where user can enter their name ,email and their message
    2. It is made by using HTML and styled using the Css.
    3. When user entered their queries it is inserted in the feedback table.
    4. Then we will contact them by their provided mail.

## **RESULT& CONCLUSION:**

The traveling pool will provide details of groups according to the dates you are travelling. Also, it provides a detailed information about the place which includes famous site seeing points, hotels, good restaurants, etc. Thus, reducing the user's efforts of visiting multiple websites and saving the user's cost which would be spend on planning tour destination. This would get all the things under one roof.

## **FUTURE WORK**

1. The Intelligent tourist guide will be implemented in the project for a few places.
2. In the direct search option, the user has to type the exact correct spelling of the city to get results. This may sometimes create a problem. To overcome this, a dynamic search box may be implemented which will predict possible matches for the search as the user starts to type in.
3. More details of the places can be shown by using the google API for maps
4. After tie-ups with several buses, cars and flight bookings can be done directly through the application

5. Admin can be given more tools such as provision for addition of more places directly from the web app itself
6. Security is a major threat here in this model anyone can get into the interface by directly entering the correct path in the URL itself, without even logging in into the system