PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004
DEPARTMENT OF COMPUTER APPLICATIONS
AY 2021-2022 MCA First Year Semester 1
20MX18 WEB APPLICATION DEVELOPMENT
Design Abstract

I. Team Detail

Batch No.	Roll No.	Name of the student	Name of the Faculty Guide
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	21MX128	Tamil Selvan M	

II. Title of the Application

SteerX - An Online Vehicle Service Booking Application

III. Abstract

- The goal of this application is to build a platform for booking automobile services online. It makes it easier for mechanics to list all of the services they provide.
- Customers have the option of booking one or more services based on their needs. Customers may sort mechanics based on their location, requirements, and availability via the application.

IV. Existing System

The present system is a manual one in which users keep books to record information about customers, services sought, and so on.

The shortcomings of the existing system are as follows:

- Customer records are challenging to keep track of.
- To get the past data, more manual hours are required.
- Daily service information must be put into books, which can be tough to keep up with.

LINK FOR EXISTING APPS:

1. https://play.google.com/store/apps/details?id=gomechanic.retail
2. https://play.google.com/store/apps/details?id=com.northerly.bumpr

V. Proposed System

- This application aims to create a platform for online based vehicle service booking.
- It helps the mechanics to list all the services they offer.
- Customers can choose one or more services to book based on some criteria. It includes location, vehicle type, availability of mechanics and so on.
- The mechanics and customers receive notification based on email when a booking is made or its status is updated.

VI. Objectives of the Proposed Application

- The main objective of this system is to provide customers with a much more convenient and better way of booking their vehicle services.
- It is an online system for vehicle services booking and customers will have to sign up through the registration page so they'll be able to view the various services provided by the mechanics.
- This system is created to manage the booking process online where the previous older ways were done manually.
- This system would be a productive solution for customers who seek services and the mechanics who provide them.
- It will also reduce the work process of the mechanics while the data will be kept securely.

VII. Scope / Use

- It contains information on the services. Customers can browse the services offered by the service centre at this time.
- A log-in authorization is provided by the system. The customer who wishes to send their vehicle for servicing must first register their personal information and vehicle information online. Non-members can only see the online system's basic UI.

VIII. Technology to be used (Specific Framework etc.)

Front end: Bootstrap 4

Back end: SQLite

Server Side - Django

IX. Functional Requirements of the Application

Mechanics can

- Create / edit / delete all his services and their details
- View a list of all bookings (pending, ready for delivery and completed)
- View details of each booking
- Mark a booking as ready for delivery
- Mark a booking as completed
- Receive an email whenever a booking is made

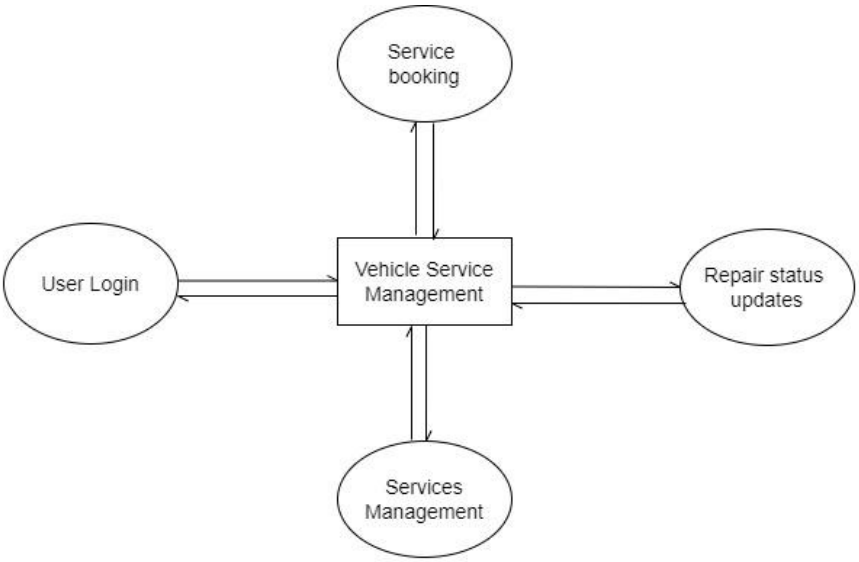
Customers can

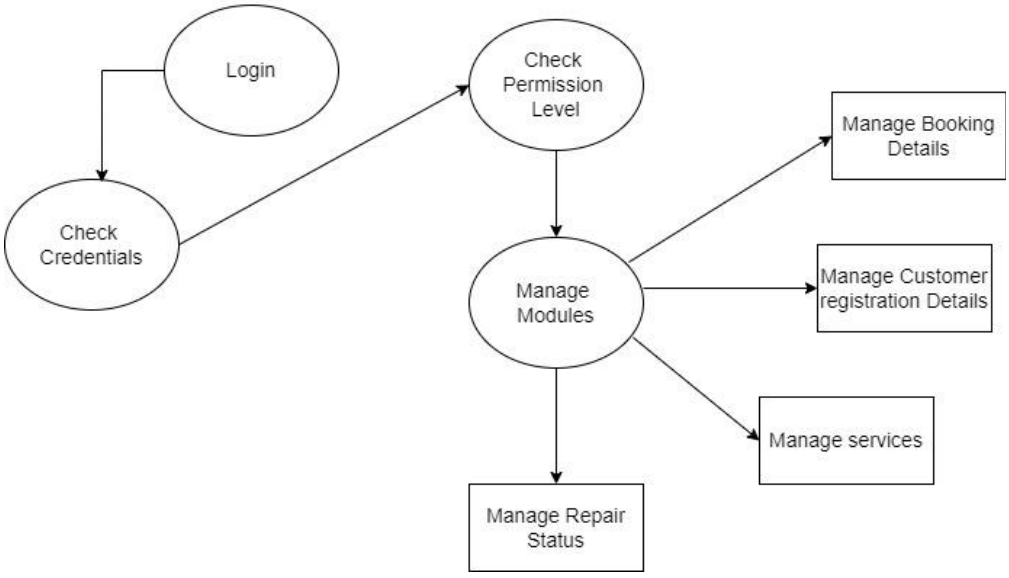
- Register for an account with his email address and mobile number
- Book a service at a particular date
- See the status of his booking
- See all his previous bookings
- Receive an email as soon as his booking is ready for delivery

X. Non-Functional Requirements of the Application

- Authorized people only login into our system.
- Easy to access the system.
- Reduce the labor cost and time.
- Increase the sales and marketing.
- Reduce the labor cost and time.
- Customizable Framework.

XI. Flow diagram of the Application (CAD/ Flow chart kind of simple diagram to illustrate the functional flow of your application)

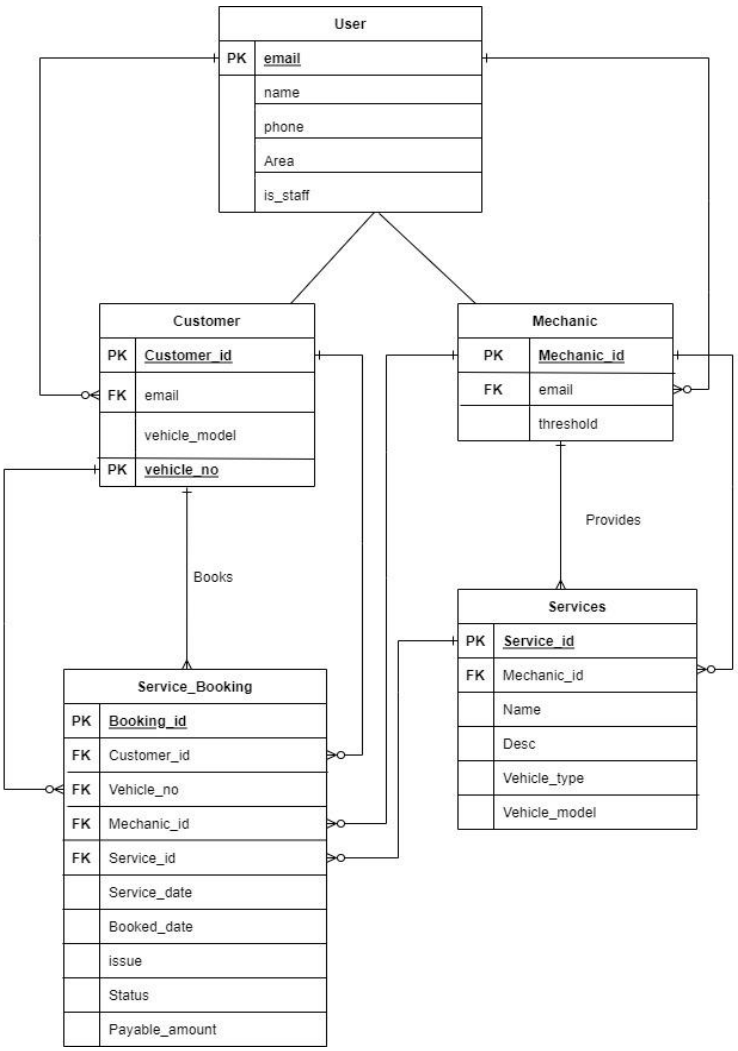




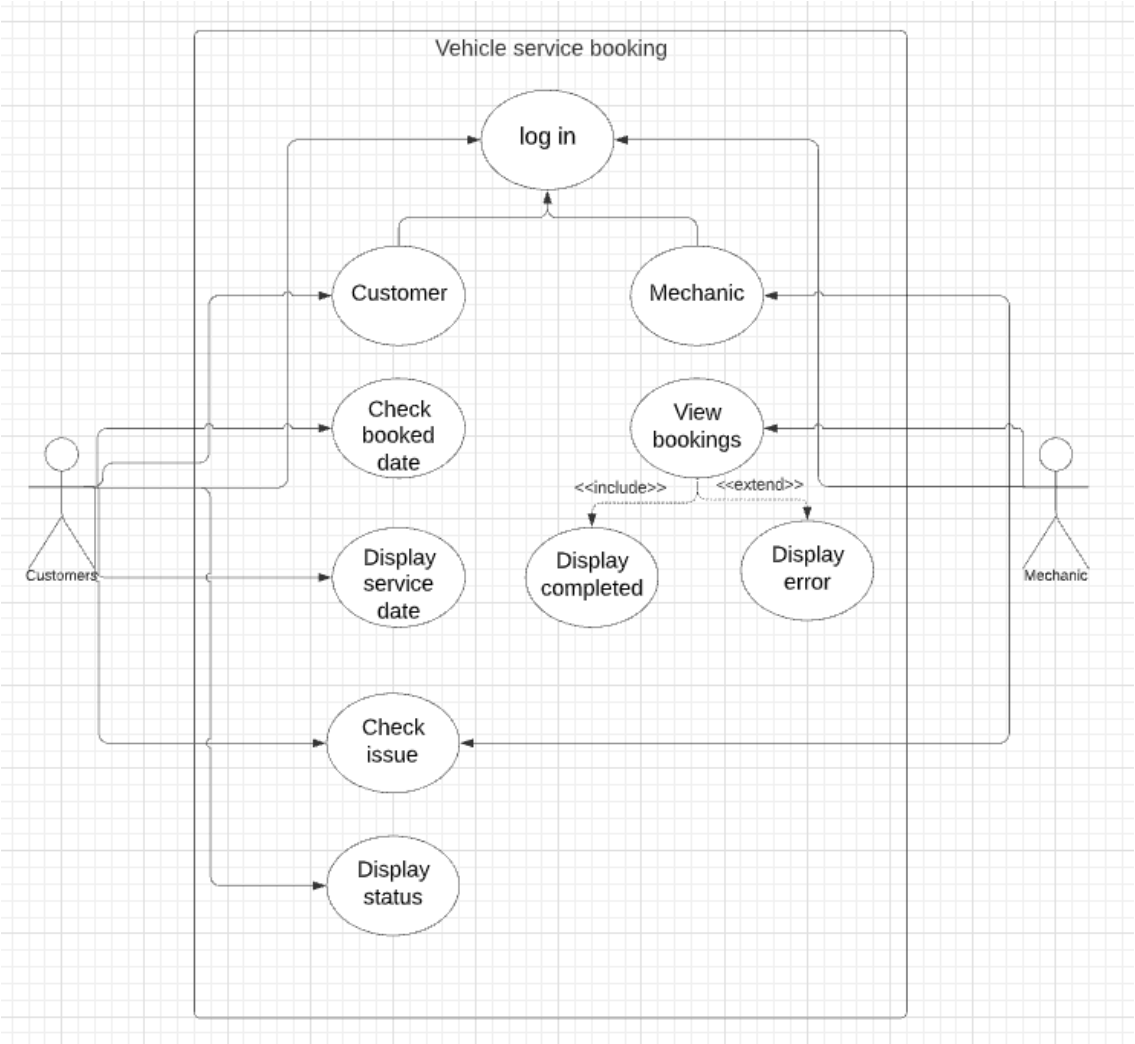
XII. Complete interface/prototype of the proposed Application (use Storyboarding method / Wireframe tools to do this….)

https://www.figma.com/file/sfXQ6yj7tKEnLELVeA0iBp/WAD-Prototype

XII1. Database Schema of the application (if any):

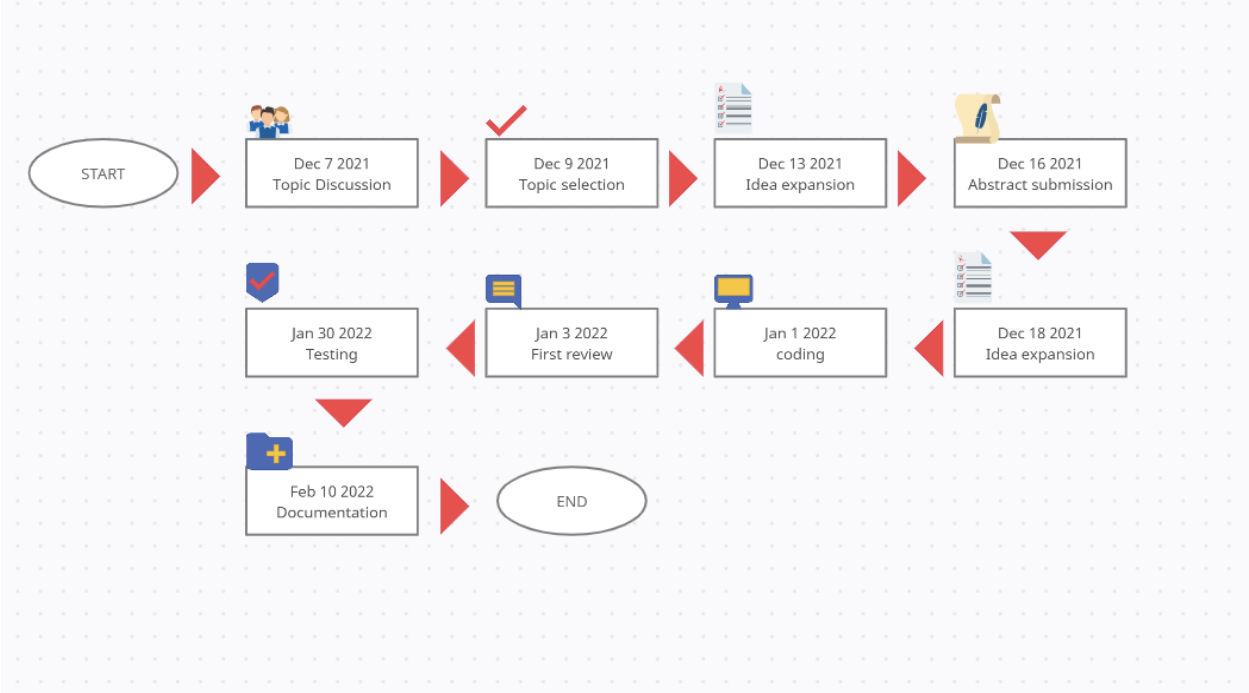


XIV: Use Case Diagram for the application:



XV: Other specifications/diagrams related to your work:

XVI: Timeline of Activities planned/completed



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