Vehicle Service Station Management Portal

Presented By

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Introduction

The increase of vehicles productions in the domestic and worldwide market have boosted the confidence vehicles servicing sector. As the servicing of existing vehicles population is an essential activity, there is large scope in this area given the increasing number of vehicles of the road year after year. A vehicles services station has to have facilities to service the vehicles, such as necessary equipment facilitating, wheel alignment etc. Vehicle Service Station Management System provides necessary services to the service station for efficient management.

The proposed of the Vehicles Service Centre Management System is to help the staffs to manage the tasking. Besides, all the data will be kept in a database of the system. Information can easily be retrieved. Document and report preparation can also be prepared in lesser time as well.

Technology Used

We used Java Spring-Boot as backend and React JS as Frontend in our Project.

❖ **Spring-Boot :–**

The main goal of the **Spring Boot** framework is to reduce overall development time and increase efficiency. React has become the first choice for frontend because it gives developers the ability to work with a virtual browser (more friendly than the real browser).

❖ **React :–**

React allows developers to create large web applications that can change data, without reloading the page. The main purpose of **React** is to be fast, scalable, and simple. Spring

❖ **MySQL :–**

MySQL allows developers to save date of large web applications ,Which will help for easy retrieval and Changing database content.

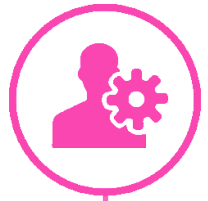
User Classes

Consumers

In this module consumers will register, update details or and can add request for slot for Particular service station in particular city according to his convenience date.

Service Center

In this module service center can update details ,can add servicing plans, can add servicing slot according to date can see vehicle booking on that particular date and can delete booking, can send booking mail to consumers mail id.



Admin

In this module Admin can add service center according to cities

Product Functions

01 The system provides efficient way to book the slot in the service center.

02 The system provides easy interface that users can easily select service center from respective city..

03 System provides better ways for searching service center according to cities and available service slots.

04 New service center can be added easily.

05 Service center providers can easily communicate to all consumers by sending personalized mail to there respective email id.

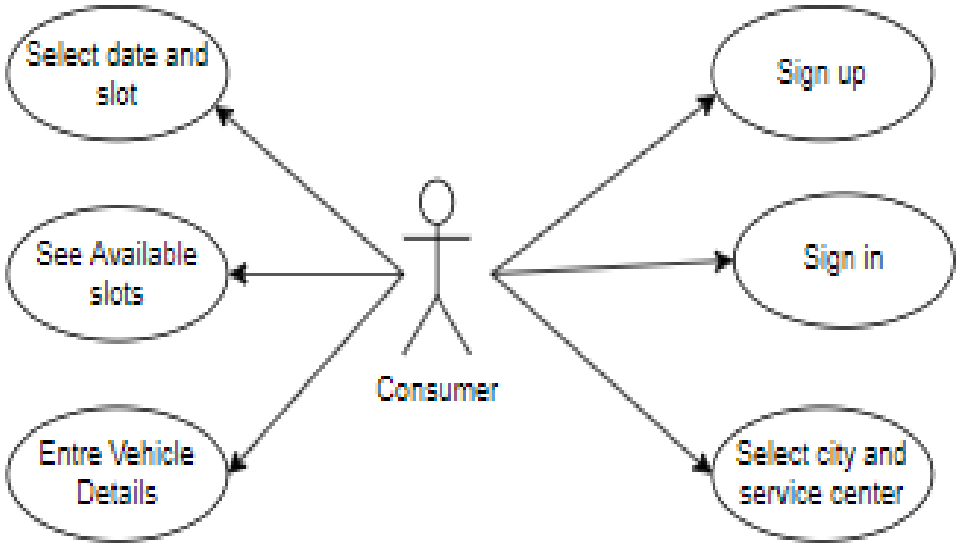
06 Personalized Dashboard for service centre.

Consumers Module

After successful registration ,the Consumers can

- Search for the service centre according to the
- Can select slot depending upon the availability of slot and date.
- Can see available slot based on service center
- Add vehicle details for slot booking

Use Case diagram for Consumers Module



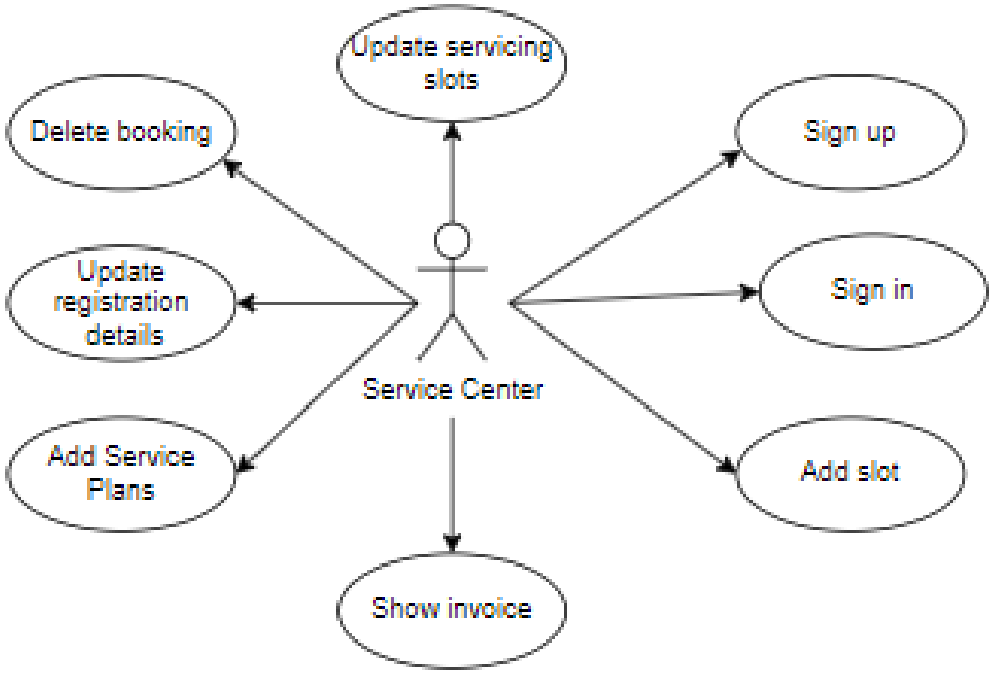
Consumer Activity Diagram

Service Center Module

After successful registration and authentication from Admin , the service centre can

- add servicing slots according to the date.
- The service centre can edit his registration details.
- Can delete bookings.
- Can add service plans.
- Can update servicing slots.
- Will show invoice

Use Case diagram for Service Centre



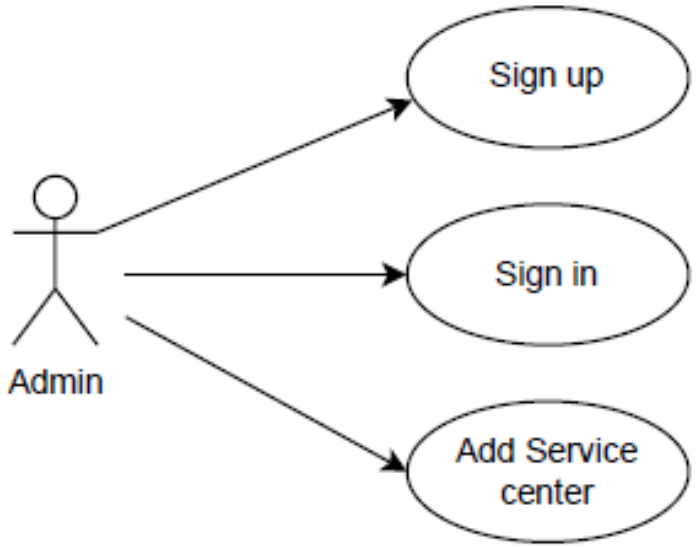
Service Centre Activity Diagram

Admin Module

The Admin can

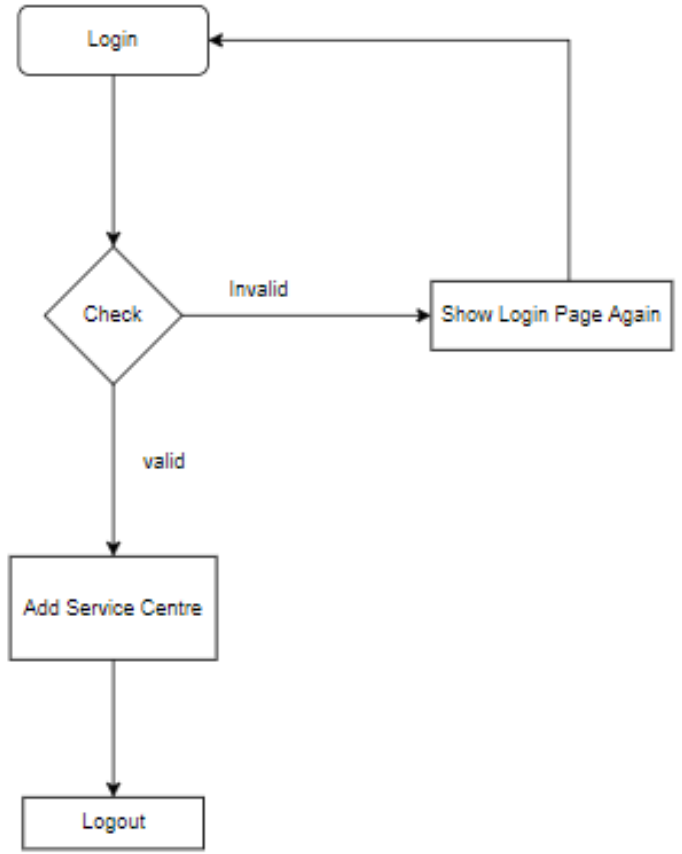
- Sign in and Sign up
- Add service centre according to cities.

Use Case diagram for Admin



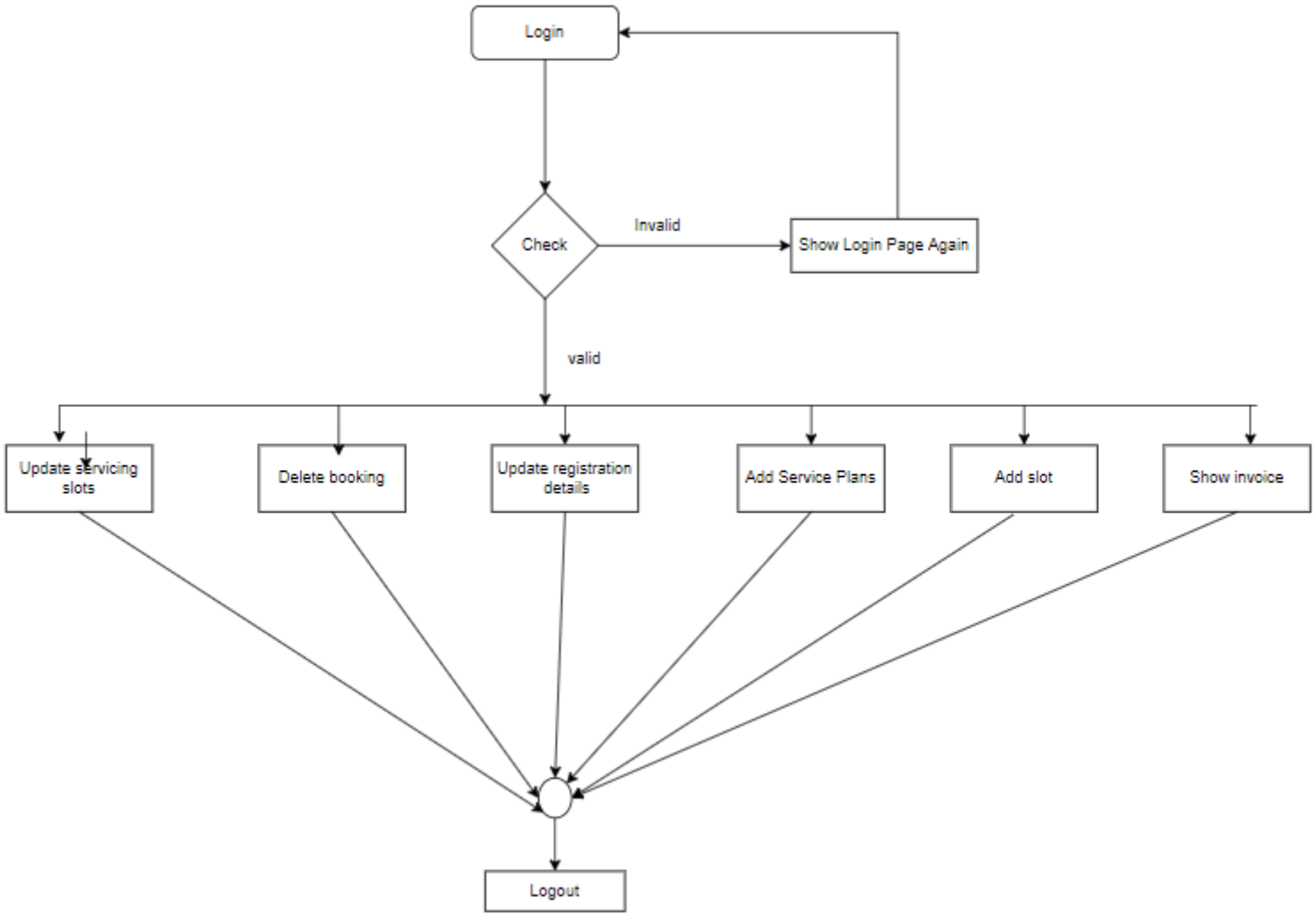
Admin Activity Diagram

Activity Diagram : Admin

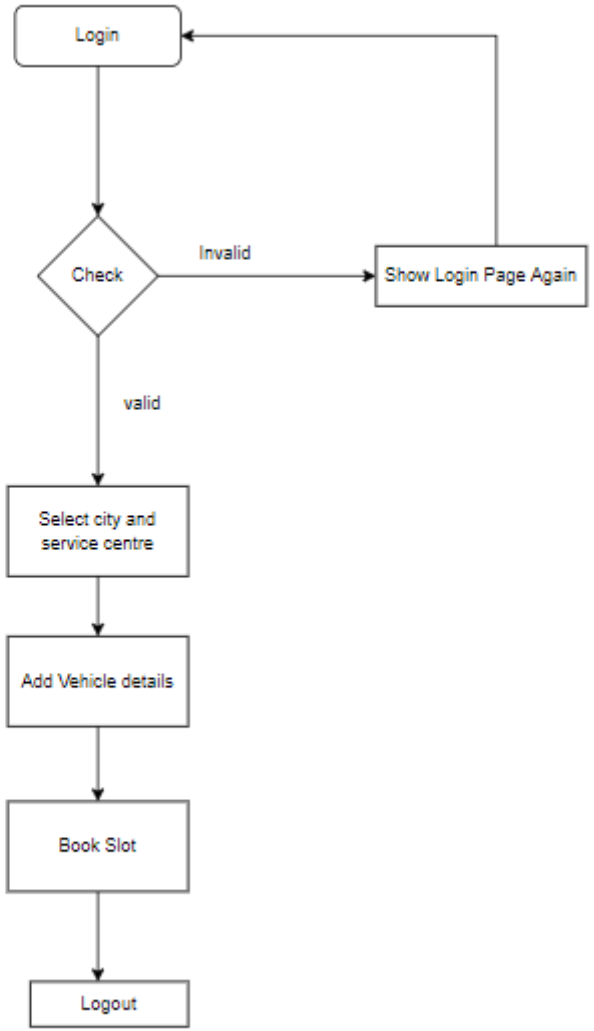


Admin Activity Diagram

Activity Diagram : Service Centre



Activity Diagram : Consumer



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Vehicle Service Station Management

About

Vehicle Service Station Management Application

Email:vehicleservicestation72@gmail.com

VehicleServiceStation.com

Vision To Service

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Vehicle Service Station Management

Welcome Vehicle Service Station Application

Vision to service

Signin

Username

Password

I am a

- Customer
- Service Center
- Admin

SIGNIN

Vehicle Service Station Management

Admin

Logout

HI,
admin@gmail.com

Add Service Centers

Admin

Logout

HI,
admin@gmail.com

Add Service Centers

Signup

ServiceCenter Name: Address: City:

Enter Service Center Nam | Enter address | Enter city

Pin code: Registration No.: Service Capacity:

Enter pincode | Enter regNo | Enter capacity

Mobile No: Email: Password:

Enter contactNo | Enter email | Enter password

SIGNUP

Vehicle Service Station Management

Logout

HI,
vehicleservicestation72@gmail.com

See Today's Bookings	Show
Add Servicing slots	Add
Update Servicing slots	Update
Delete Bookings	Delete
Update Registration Details	Update
Add Servicing Plans	Add

Logout

All Bookings for Today

Booking Date	Booking Id	Model No	Plan Name	Total cost	vehicle Reg No
2022-09-27	8	fz54	Platinum	10000	MH24 L365

Back

Add slots for date

Date:

mm/dd/yyyy

Please fill out this field.

Enter Number of slots:

Number of slots

Please fill out this field.

Username:

Enter Email

Please fill out this field.

Submit

Back

Update servicing slots for Today

First Name:

mm/dd/yyyy

Please fill out this field.

Enter Number of slots:

Number of slots

Please fill out this field.

Username:

Enter Email

Please fill out this field.

Update

Back

Delete a Booking

Enter Booking Id :

Booking Id

Please fill out this field.

Delete

Ba

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Welcome

Update Your Details

Enter Name:

enter name

Please fill out this field.

Enter Contact No:

enter contact no

Please fill out this field.

Enter Capacity:

enter capacity

Please fill out this field.

I agree.

Check this checkbox to continue.

Submit

Back

Logout

nter Plan Name :

Enter plan Name

ease fill out this field.

nter Cost Of Plan :

Enter Cost of plan

ease fill out this field.

nter description for plan:

Enter description for plan

ease fill out this field.

Add Plan

Back

Vehicle Service Station Management

Welcome Vehicle Service Station Application

Vision To Service

Signup

First Name: Enter Firstname

Last Name: Enter Lastname

Mobile No: Enter Mobile No

Email: Enter Email

Password: Enter password

Nick Name: security_question

SIGNUP

Already a member? Signin

Vehicle Service Station Management

Logout

HI,
bhavanjayd@gmail.com

Select Your City: select city

Select ServiceCenter: select center

localhost:3000/Customer

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Vehicle Service Station Management

HI,
bhavanjayd@gmail.com

Select Your City: Pune

Select ServiceCenter: Shriram

ServiceCenter Details

Service Center:	Shriram
Address:	Satara road
City:	Pune
Email:	vehicleservicestation72@gmail.com
Reg NO:	123

Show Service Plans

Show Service Plans

Plan Details

select plan:

Name	Desc	cost
Gold	Washing,oiling,Fluid checking	5000
Platinum	Gear-Box checking,Engine Checking,Wheel Alingment	10000

your selected plan is Gold

Select Date	09/26/2022
Available Slots	8

Enter Your Vehicle Details

Enter Vehicle Registration No.:

Enter vehicleRegNo

Please fill out this field.

Enter model No:

Enter modelNo

Please fill out this field.

Click here to book your slot

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your selected plan is Gold

Select Date	09/26/2022
Available Slots	8

Enter Your Vehicle Details

Enter Vehicle Registration No.:

MH24 L365

Valid.

Enter model No:

fz54

Valid.

Click here to book your slot

ENG 10:49 AM

localhost:3000/EndGame

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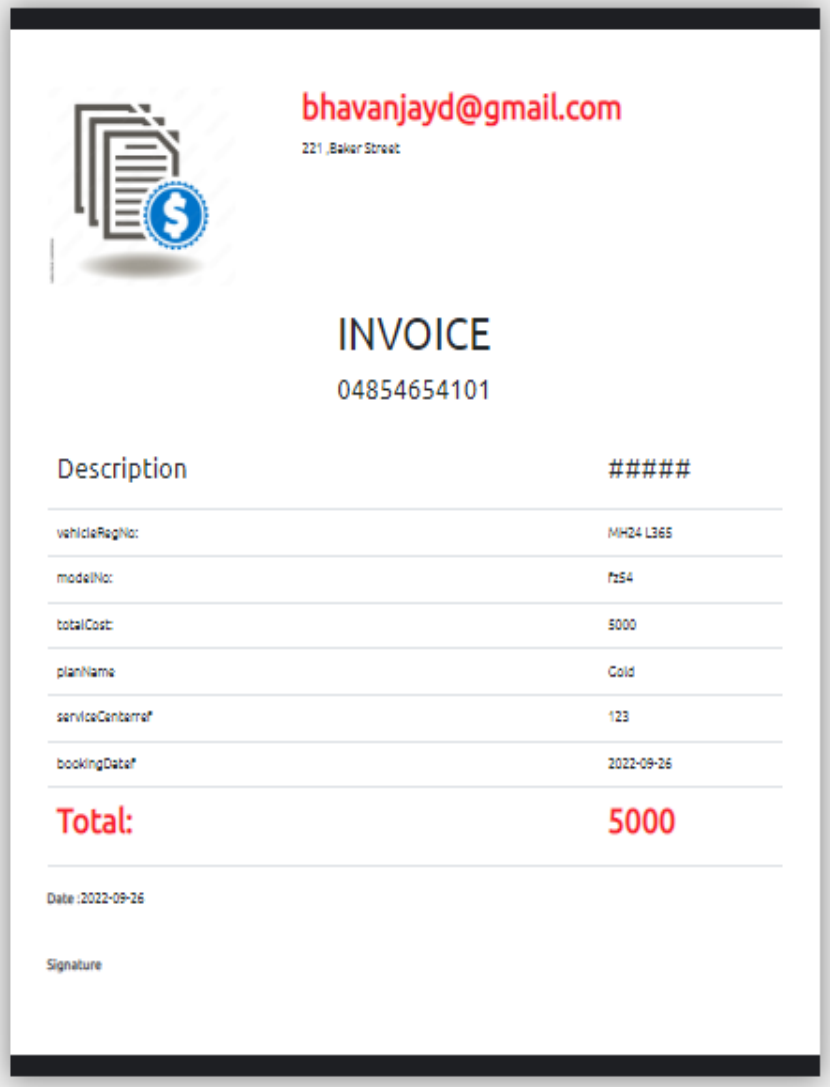
Logout



bhavanjayd@gmail.com

221 ,Baker Street

INVOICE

04854654101

Description	#####
vehicleRegNo:	MH24 L365
modelNo:	fz54
totalCost:	5000
planName	Gold
serviceCenterId	123
bookingDate	2022-09-26
Total:	**5000**

Date :2022-09-26

Signature

Book Slot

1 of 50

Booking Confirmation

Inbox ×

vehicleservicestation72@gmail.com

11:50 (0 minutes ago)

to me

Dear Jay Depe

You have successfully booked a servicing slot for your vehicle at Shriram
Resigtration Details:
Vehicle No: MH24 L365
Total Cost: 10000.0
Booked Date 2022-09-26

Reply Forward