

## INSTALL GUIDE & USER GUIDE

### INSTALLATION GUIDE

#### Introduction

This Installation Guide provides step-by-step instructions for setting up the CarCare application locally for development or testing.

The system is built using:

- React + TypeScript (Frontend)
- Firebase Authentication
- Firestore NoSQL Database
- Firebase Cloud Functions
- Firebase Hosting

GitHub Repo: <https://github.com/krrishitejas/Zest-Ai-1>

Live App: <https://carcare-bf799.web.app/>

#### 7.2 Prerequisites

##### Hardware

- Laptop/PC with minimum 4GB RAM

##### Software

- Node.js (v18+ recommended)
- npm or yarn
- Firebase CLI (npm install -g firebase-tools)
- VS Code or any code editor
- Git installed

#### Firebase Setup

You need access to a Firebase project with:

- Firestore enabled
- Firebase Authentication (Email/Password) enabled
- Firebase Hosting
- Firebase Functions set up

#### 7.3 Installation Steps

##### Step 1 – Clone the Repository

```
git clone https://github.com/krrishitejas/Zest-Ai-1
```

```
cd Zest-Ai-1
```

##### Step 2 – Install Dependencies

```
npm install
```

### **Step 3 – Configure Firebase**

Login to Firebase:

```
firebase login
```

Select project:

```
firebase use --add
```

Create .env file and add your Firebase config:

```
VITE_API_KEY=xxxxx
```

```
VITE_AUTH_DOMAIN=xxxxx
```

```
VITE_PROJECT_ID=xxxxx
```

```
VITE_STORAGE_BUCKET=xxxxx
```

```
VITE_MESSAGING_SENDER_ID=xxxxx
```

```
VITE_APP_ID=xxxxx
```

### **Step 4 – Start Development Server**

```
npm run dev
```

The app will run at:

```
http://localhost:5173
```

### **Step 5 – Deploy to Firebase Hosting (Optional)**

```
npm run build
```

```
firebase deploy
```

This publishes your app to Firebase Hosting.

### **7.4 Troubleshooting**

<b>Issue</b>	<b>Solution</b>
Firebase config error	Re-check .env values
Login fails	Ensure Firebase Auth → Email/Password is enabled
Database writes fail	Check Firestore rules
Functions error	Run firebase emulators:start to debug

### **Installation Guide Complete**

## **USER GUIDE**

*CarCare – Vehicle Maintenance & Service Management System*

### **1. Introduction**

This User Guide helps new users understand how to use CarCare for managing their vehicle maintenance, service bookings, expenses, and reminders.

The app is simple, mobile-friendly, and optimized for vehicle owners.

## 2. Getting Started

### 2.1 Creating an Account

1. Open login page
2. Click “Sign Up”
3. Enter email, name, phone, and password
4. Submit to create an account

### 2.2 Logging In

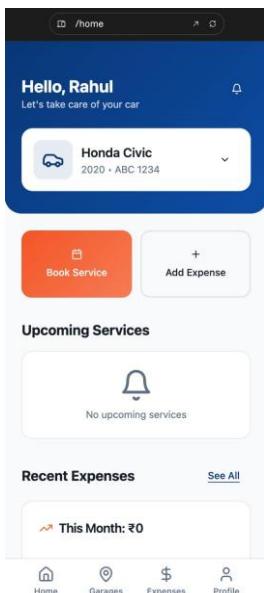
1. Enter registered email and password
2. Click “Sign In”
3. Dashboard will open

## 3. Main Features

### 3.1 Dashboard

Displays:

- Your active vehicle
- Book Service Button
- Add Expense button
- Upcoming services
- Recent expenses
- Navigation bar (Home, Garages, Expenses, Profile)



### 3.2 Managing Vehicles

#### Add Vehicle

1. Go to “My Vehicles”
2. Click “Add Vehicle”

3. Enter brand, model, year, and mileage
4. Save

### Update Mileage

1. Select the vehicle
2. Click “Update Mileage”
3. Enter new odometer reading

### 3.3 Booking a Service

Service booking happens in **three steps**.

#### Step 1 – Select Services

User selects one or more services such as:

- Oil Change
- Tire Service
- Engine Repair

The screenshot shows a mobile application interface for booking a service. At the top, there's a navigation bar with a back arrow, the URL '/book-service/1', and a search icon. Below it is a progress bar with three steps, where step 1 is highlighted in red. The main content area is titled 'Select Services' and lists several service options:

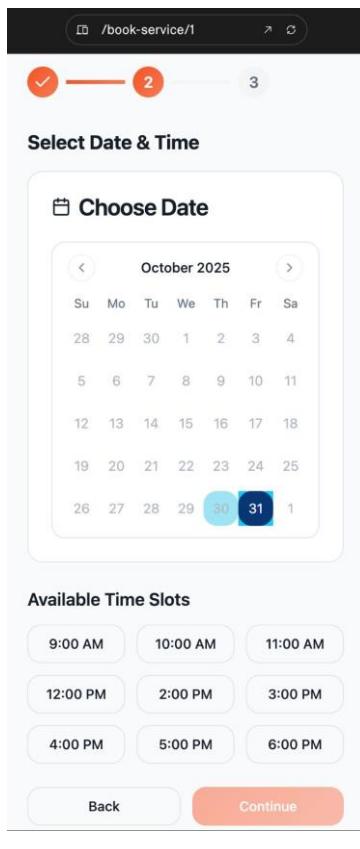
Service	Description	Price
Oil Change	30 mins	₹1500
Tire Service	45 mins	₹2500
Engine Repair	2 hours	₹5000
Brake Service	1 hour	₹3500
AC Service	45 mins	₹2000
Battery Replacement	30 mins	₹4000

At the bottom, a summary row shows 'Total ₹1500'. A large orange 'Continue' button is at the very bottom.

#### Step 2 – Select Date & Time

User picks:

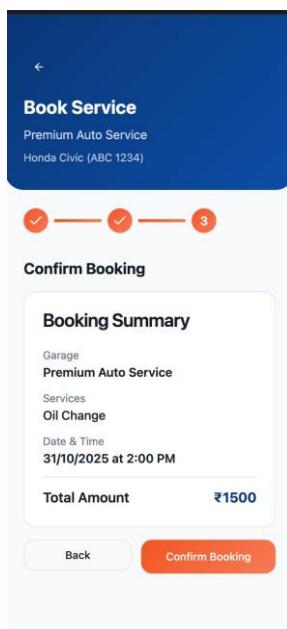
- Calendar date
- Available time slots



### Step 3 – Confirm Booking

Shows:

- Garage name
- Selected service
- Total amount
- Confirm Booking button

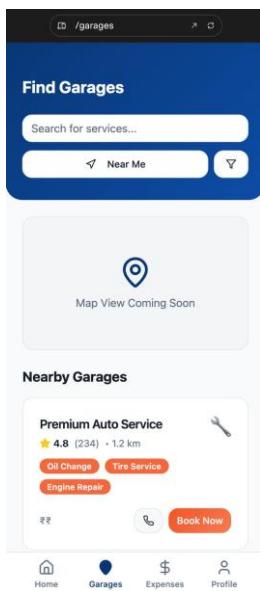


### 3.4 Garage Finder (Locate Nearby Garages)

Users can:

- Search for garages
- Filter by service

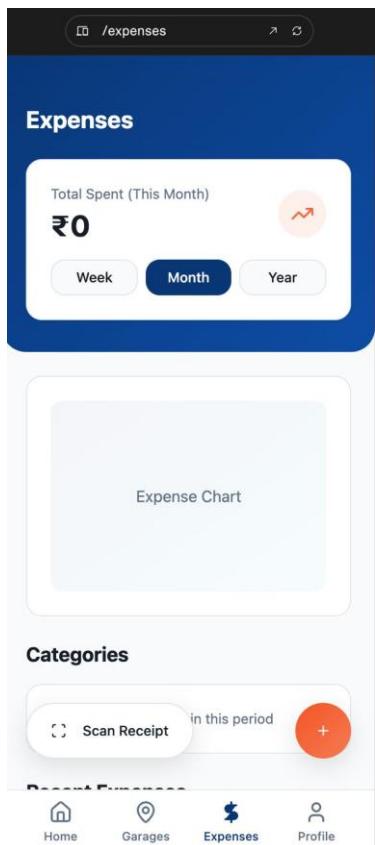
- View distance and ratings
- Click “Book Now”



### 3.5 Expense Tracking

Users can:

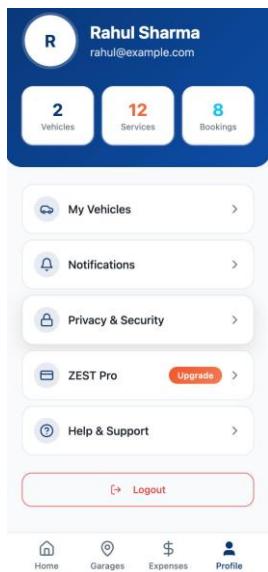
- Add expenses
- View monthly/yearly charts
- Scan receipts (optional feature)



### Notifications

Shows reminders for:

- Upcoming service
- Booking confirmations
- Expense alerts



### 3.7 Profile / Settings

Allows user to:

- View vehicles count
- Manage services
- Access notifications
- Upgrade to Zest Pro
- Logout

### 4. Logging Out

Go to Profile → Click “Logout”.

### 5. Support

For issues or feedback, contact the development team or refer to documentation.