

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

Firestore 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=xxxxxx

VITE_AUTH_DOMAIN=xxxxxx

VITE_PROJECT_ID=xxxxxx

VITE_STORAGE_BUCKET=xxxxxx

VITE_MESSAGING_SENDER_ID=xxxxxx

VITE_APP_ID=xxxxxx

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

| Issue | Solution |
|-----------------------|--|
| 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

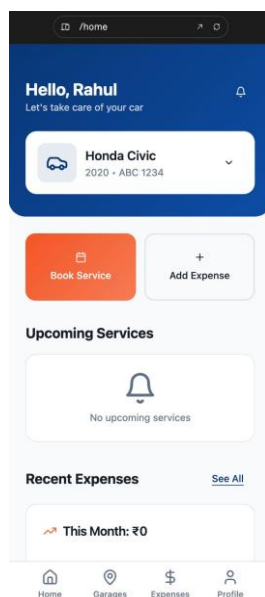
1. Enter registered email and password
2. Click “Sign In”
3. Dashboard will open

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

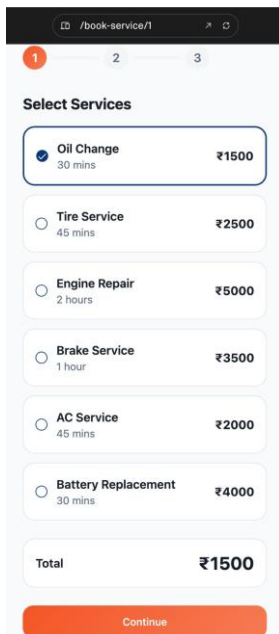
3.3 Booking a Service

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 app interface for selecting services. At the top, there is a progress bar with three steps: 1 (selected), 2, and 3. Below the progress bar, the title "Select Services" is displayed. A list of services is shown, each with a radio button, the service name, duration, and price. The "Oil Change" service is selected. At the bottom, there is a "Total" row showing the sum of the selected services and a "Continue" button.

| Service | Duration | Price |
|---|----------|--------------|
| <input checked="" type="radio"/> Oil Change | 30 mins | ₹1500 |
| <input type="radio"/> Tire Service | 45 mins | ₹2500 |
| <input type="radio"/> Engine Repair | 2 hours | ₹5000 |
| <input type="radio"/> Brake Service | 1 hour | ₹3500 |
| <input type="radio"/> AC Service | 45 mins | ₹2000 |
| <input type="radio"/> Battery Replacement | 30 mins | ₹4000 |
| Total | | ₹1500 |

Continue

Step 2 – Select Date & Time

User picks:

- Calendar date
- Available time slots

Progress: 1 ✓ 2 3

Select Date & Time

Choose Date

October 2025

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| 28 | 29 | 30 | 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 12 | 13 | 14 | 15 | 16 | 17 | 18 |
| 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 26 | 27 | 28 | 29 | 30 | 31 | 1 |

Available Time Slots

9:00 AM 10:00 AM 11:00 AM

12:00 PM 2:00 PM 3:00 PM

4:00 PM 5:00 PM 6:00 PM

Back Continue

Step 3 – Confirm Booking

Shows:

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

Progress: 1 ✓ 2 ✓ 3

Confirm Booking

Booking Summary

Garage
Premium Auto Service

Services
Oil Change

Date & Time
31/10/2025 at 2:00 PM

Total Amount ₹1500

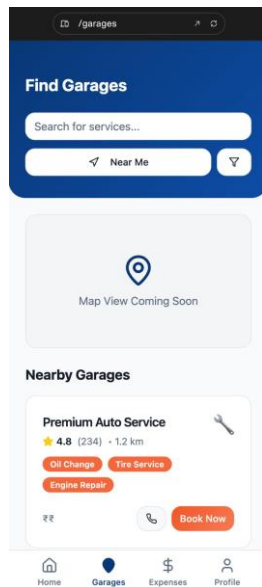
Back Confirm Booking

3.4 Garage Finder (Locate Nearby Garages)

Users can:

- Search for garages
- Filter by service

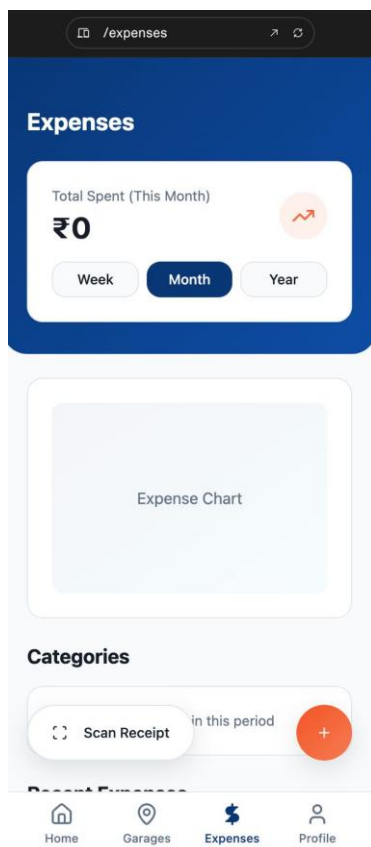
- View distance and ratings
- Click “Book Now”



3.5 Expense Tracking

Users can:

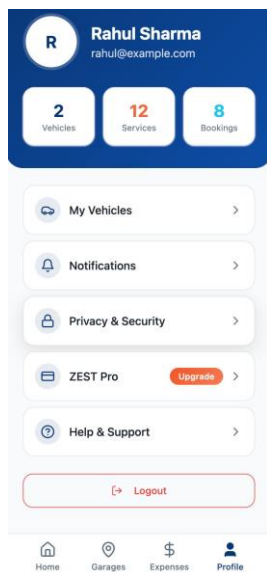
- Add expenses
- View monthly/yearly charts
- Scan receipts (optional feature)



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.