CHAPTER 6: PROTOTYPE AND TESTING

Prototype

This system consists of two users:

- Customer
- Service provider

For customer we will be providing mobile application which has following:

- Searching for nearest service station
- Custom time slot selection for servicing a car
- Alert for car servicing on regular intervals
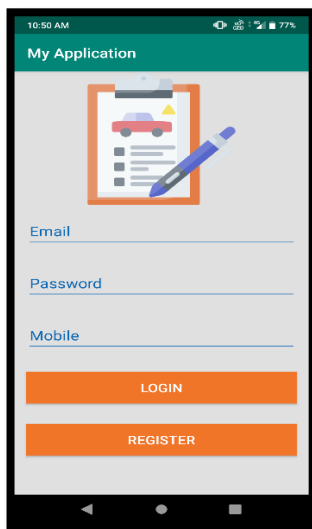- Basic tips for car to maintain its state
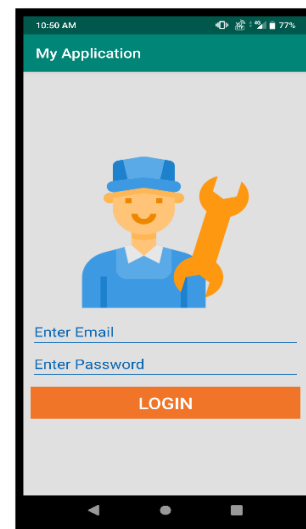

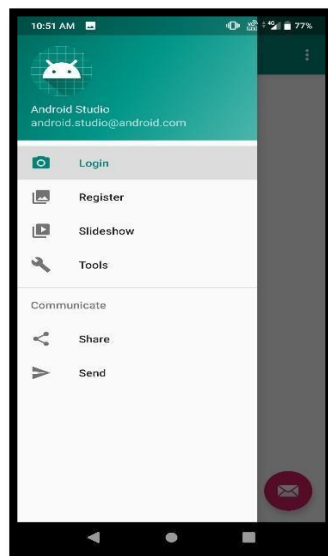Fig: 6.1.1 Application screenshot 1

Fig: 6.1.2 Application screenshot 2

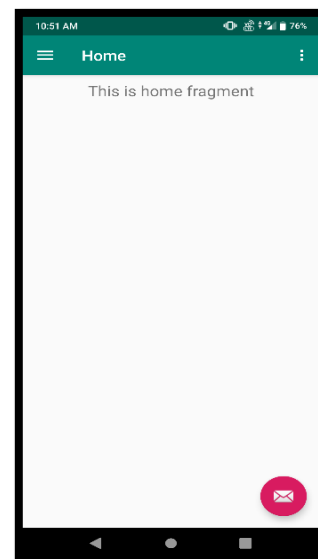
Fig: 6.1.3 Application screenshot 3
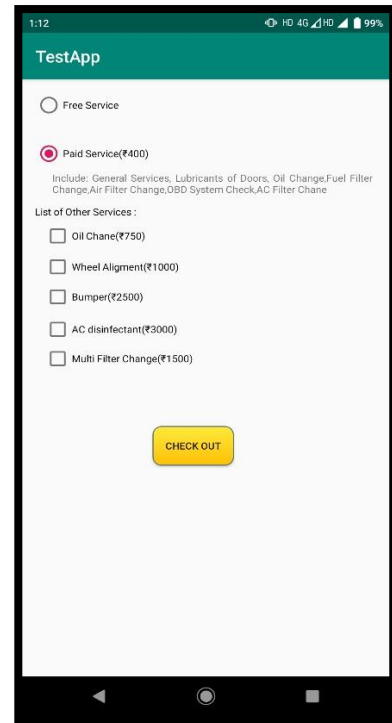
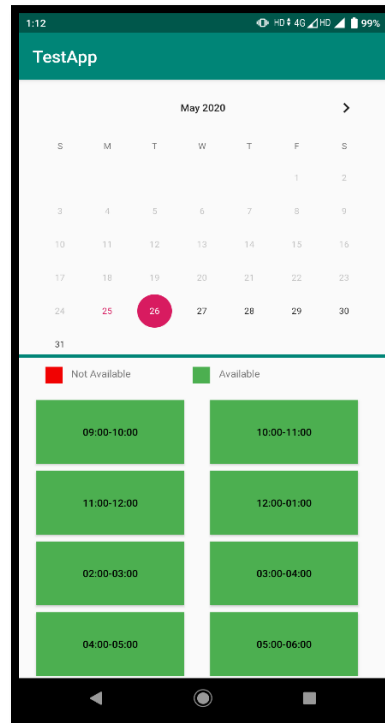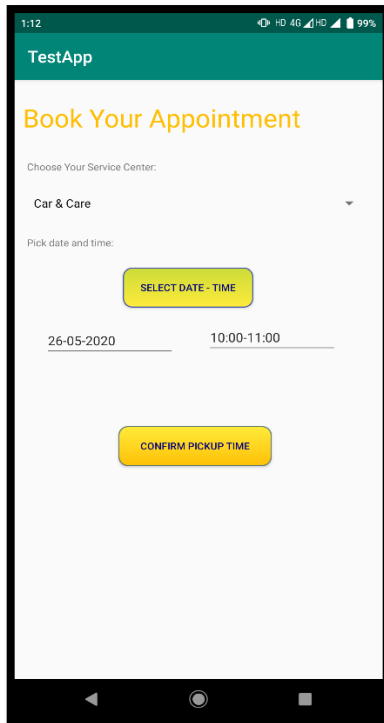

Fig: 6.1.4 Application screenshot 4

Fig: 6.1.5 Application screenshot 5   Fig: 6.1.6 Application screenshot 6   Fig: 6.1.7 Application screenshot 7
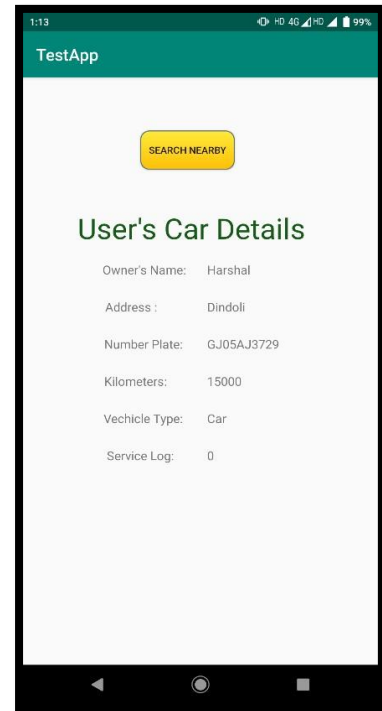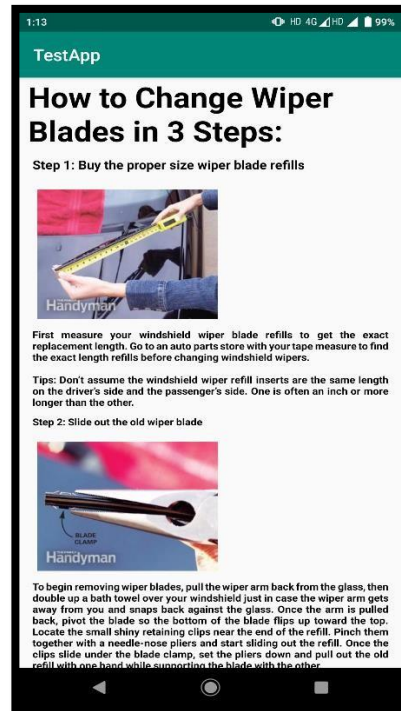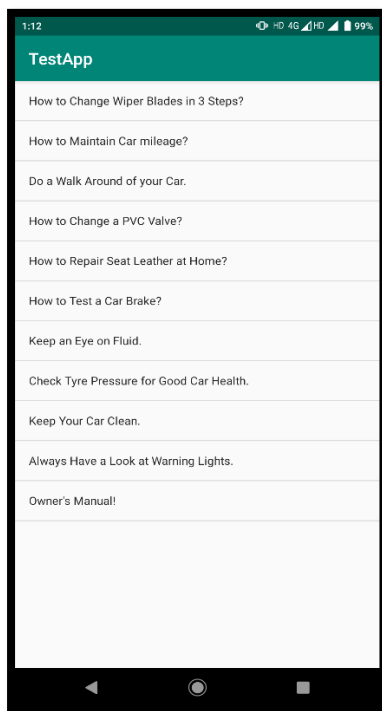

Fig: 6.1.8 Application screenshot 8   Fig: 6.1.9 Application screenshot 9   Fig: 6.1.10 Application screenshot 10

For service provider we will be providing website (Admin panel) which includes:
- Information of all cars in workshop
- Information of customer
- Status of car
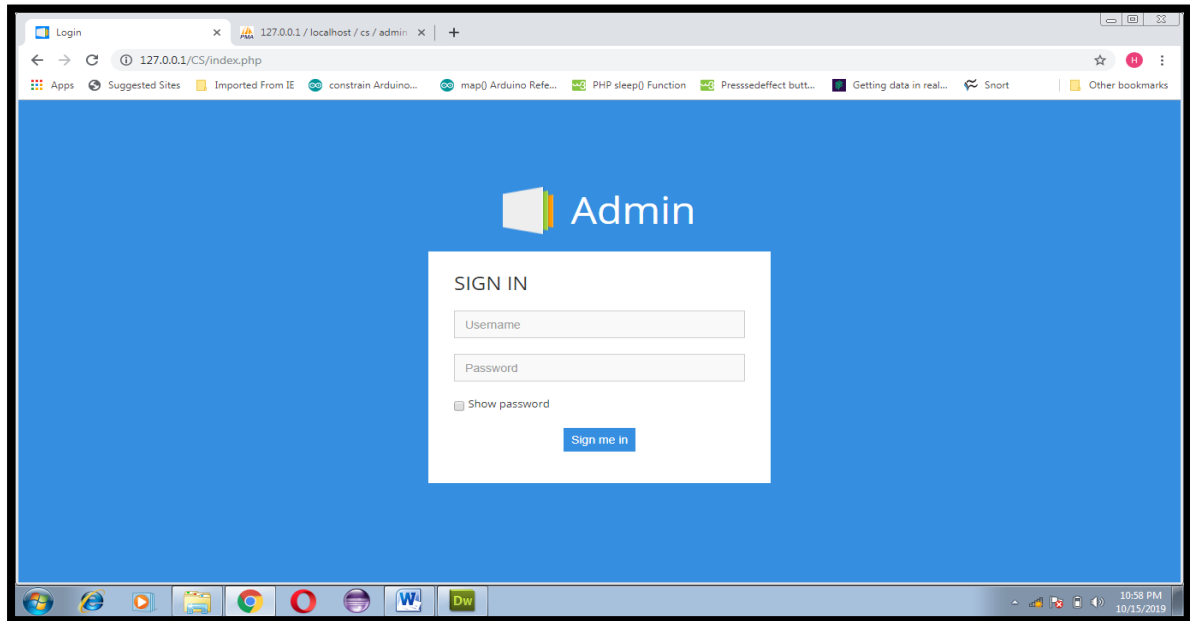- Vehicle maintenance log
- Manually allocating mechanic to a car
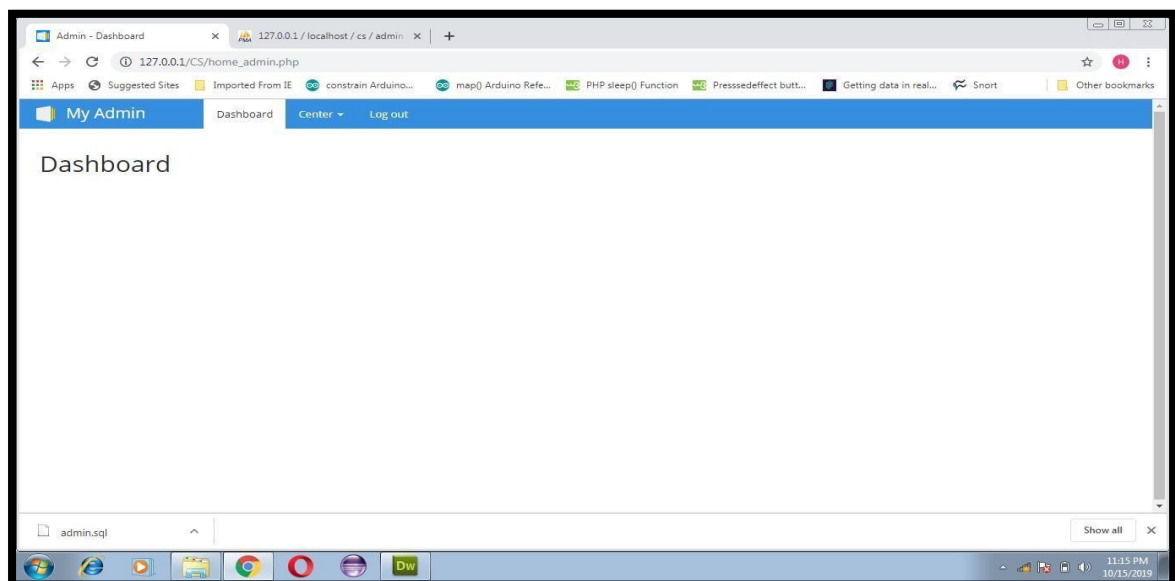

Fig:6.1.11 Website screenshot 1

Fig:6.1.12 Website screenshot 2

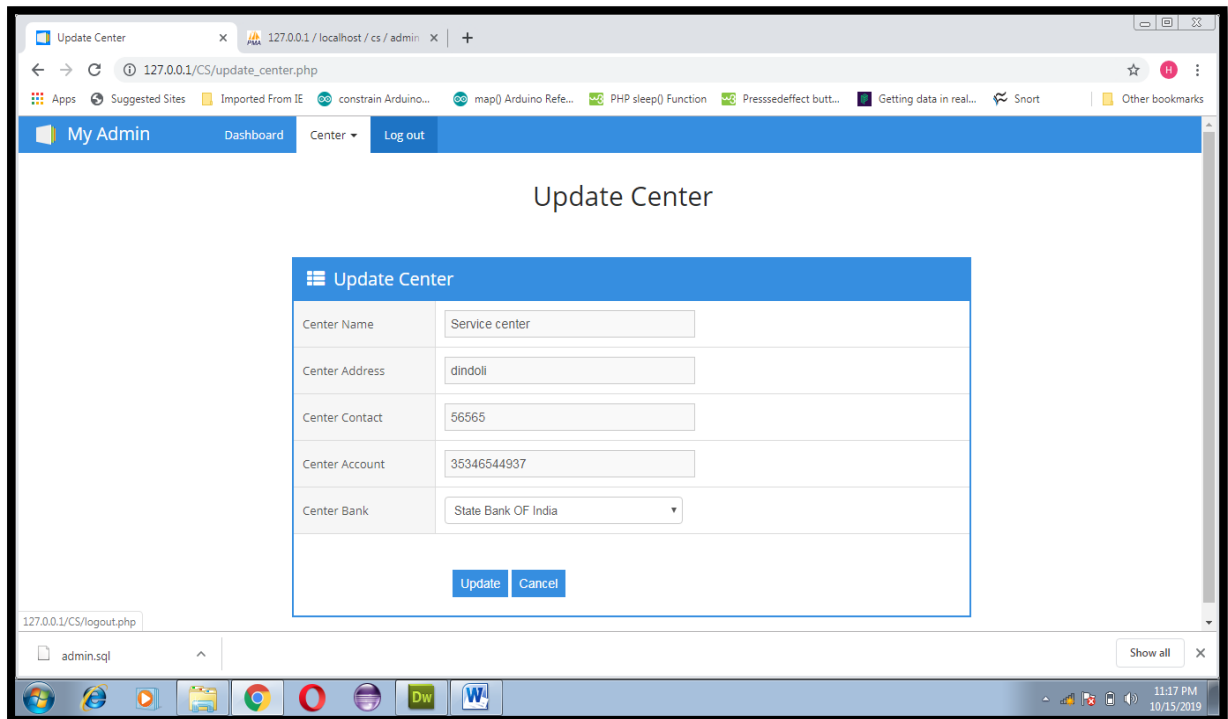Fig:6.1.13 Website screenshot 3

Fig:6.1.14 Website screenshot 4

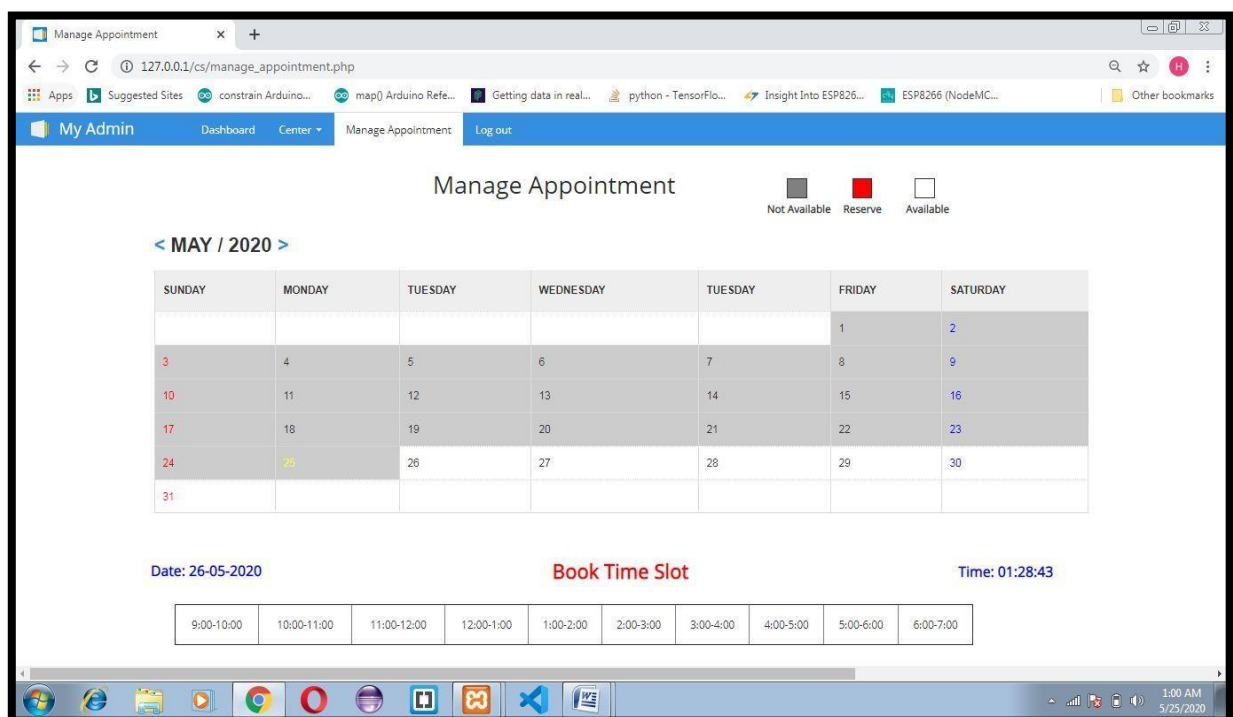Fig:6.1.15 Website screenshot 5

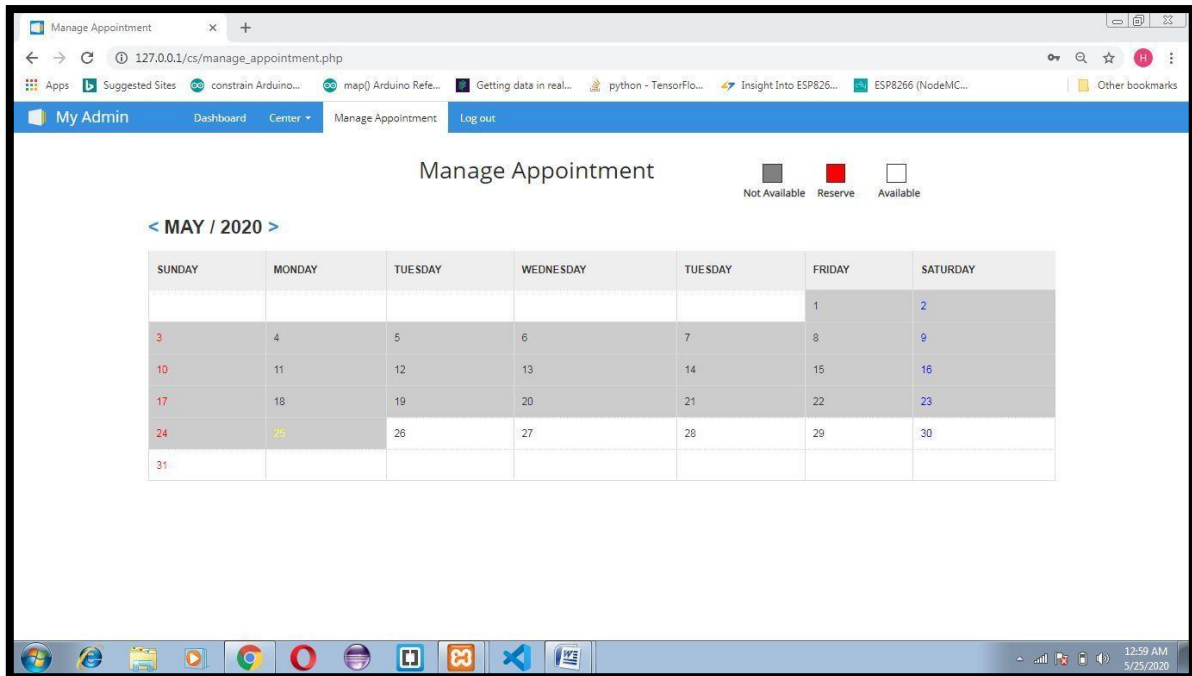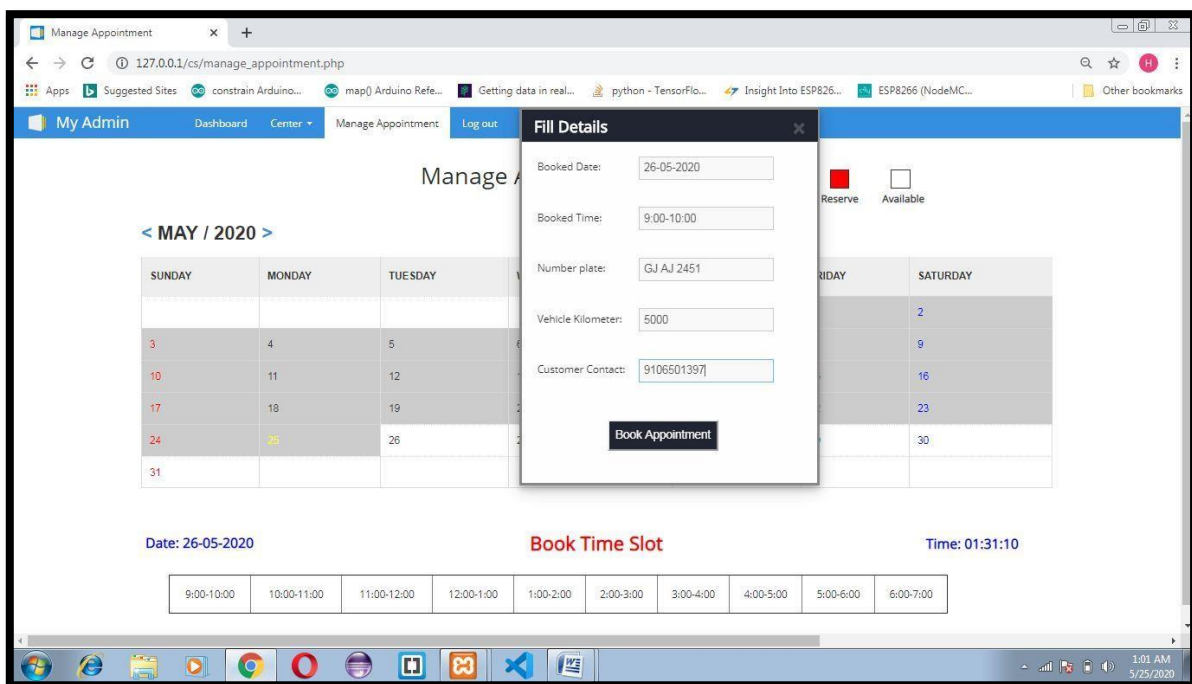Fig:6.1.16 Website screenshot 6

Fig:6.1.17 Website screenshot 7

Fig:6.1.18 Website screenshot 8
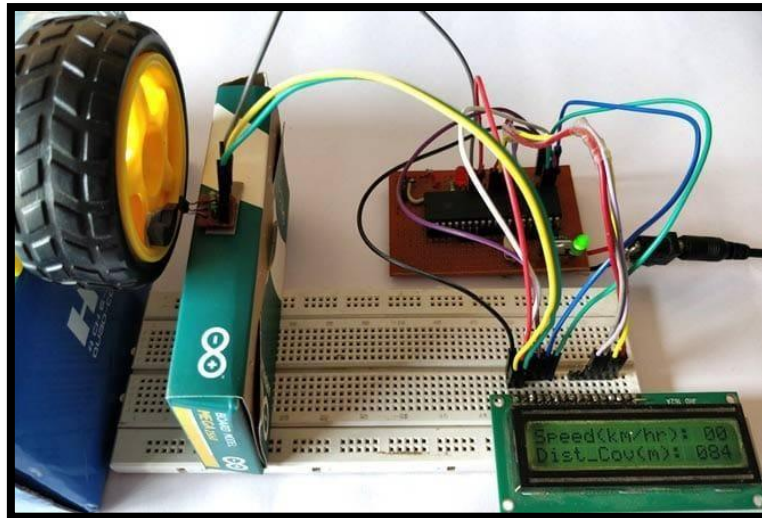
Table:6.1.19 Hardware interface

Testing

Sr. No.	Functional Test Cases	Type-Negative/ Positive Test Case
1	Verify if a user will be able to login with a valid username and valid password.	Positive
2	Verify if a user cannot login with a valid username and an invalid password.	Negative
3	Verify the login page for both, when the field is blank and Submit button is clicked.	Negative
4	Verify the messages for invalid login.	Positive
5	Verify the 'Remember Me' functionality.	Positive
6	Verify if the data in password field is either visible as asterisk or bullet signs.	Positive
7	Verify if a user is able to login with a new password only after he/she has changed the password.	Positive
8	Verify if the login page allows to log in simultaneously with different credentials in a different browser.	Positive
9	Verify if the 'Enter' key of the keyboard is working correctly on the login page.	Positive
10	Verify if a user cannot enter the characters more than the specified range in each field (Username and Password).	Negative
11	Verify if a user cannot enter the characters more than the specified range in each field (Username and Password).	Positive
12	Verify the login page by pressing 'Back button' of the browser. It should not allow you to enter into the system once you log out.	Negative

Table:6.2.1 Test cases