



USER'S MANUAL

Parking Lot Automation

Software Engineering Lab

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1.0 GENERAL INFORMATION

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1.1 System Overview

- This system is mainly used for booking parking lots in malls prior to visiting the mall as it saves the time to select a slot since it is already booked.
- This is a system wherein the local server is setup on the system LAMP(in linux) and WAMP(in windows)
- Graphical Interface in this system is very user friendly and is developed using html, CSS and javascript.
- System name is Parking lot automation
- Operational status: The system id fully operational. But changes can be incorporated for the convenience of the users.

1.2 Project References

This document is based on the SRS documents written by the developer for the system. Contact the developers for the SRS documents.

1.3 Authorized Use Permission

This software cannot be hosted without the permission of the developers. Any misuse of this software, if noticed, will be subjected to legal actions.

1.4 Points of Contact

1.4.1 Information

In case of any kind of guidance you can contact the developers –

Navya R S
8762317650
navy8296@gmail.com
NITK, Surathkal

Sheetal Shalini
8970832326
sheetalsh456@gmail.com
NITK, Surathkal

Moore Saranya
8861498533
mooresaranya@gmail.com
NITK, Surathkal

1.4.2 Coordination

This software runs on a local server. Hence in case of Linux systems PHP and Apache must be installed. In case of Windows system WAMP must be installed in the system.

1.4.3 Help Desk

In case of emergencies the customer can contact – Navya R S, 8762317650

2.0 SYSTEM SUMMARY

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2.1 System Configuration

In this system a local server is set up and input mode is keyboard and the output mode is a monitor screen.

2.2 Data Flows

User login data is checked with the backend. If it matches then the user is given access. After booking the slot also the data is checked with the backend to see if the slot is already booked, if not, then the booking becomes successful.

2.3 User Access Levels

There are two user accesses in this system-

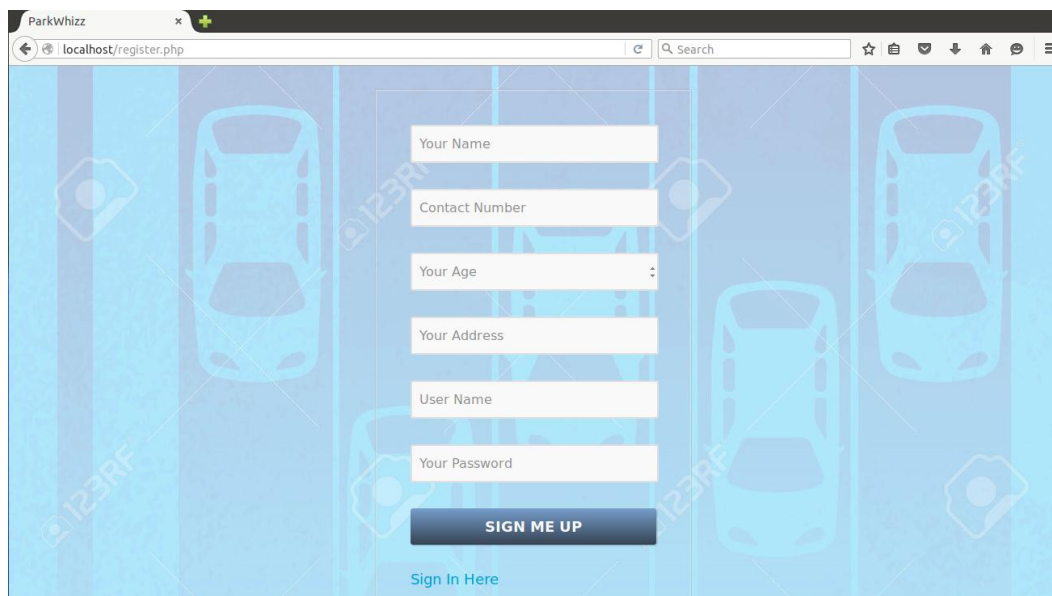
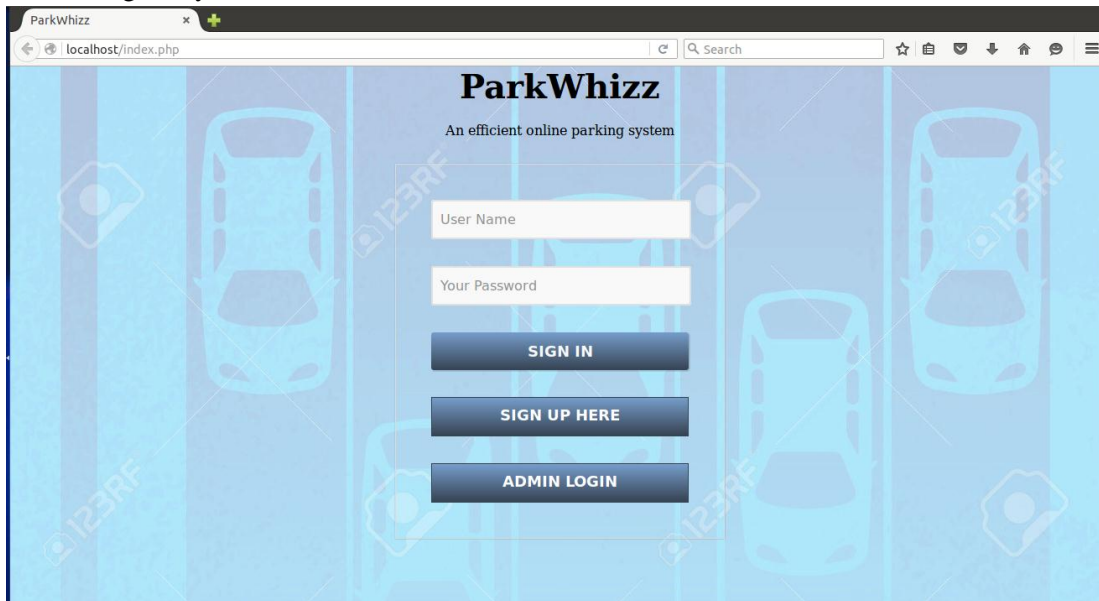
- a. **Admin:** The admin has the rights to change the statuses of the slot of the users.
- b. **Customer:** Has to register initially and then can login and book the parking slot.

3.0 GETTING STARTED

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3.1 Logging On

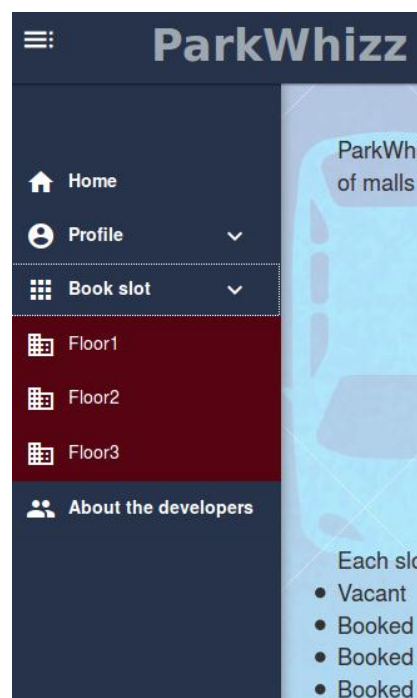
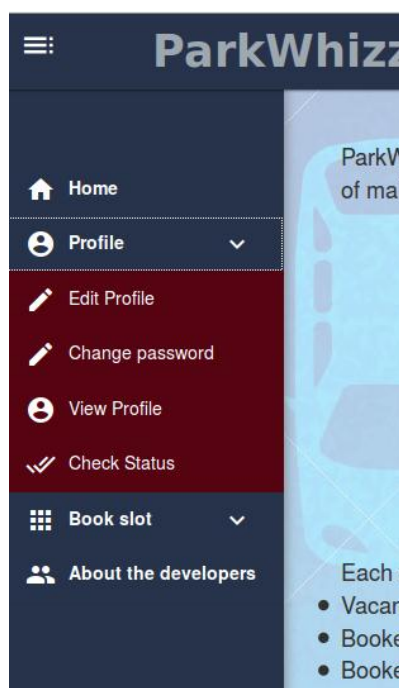
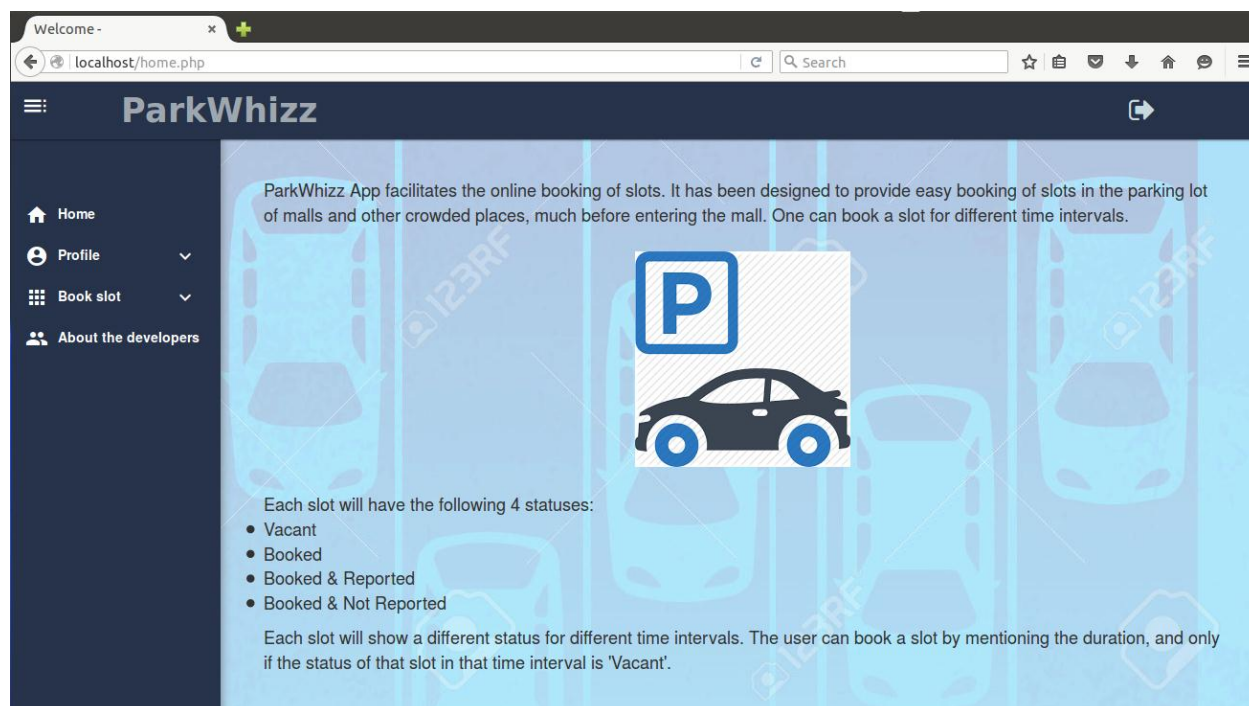
For any customer to use the system, first he/she must have registered. After registering the user can login through the username and password given during registration. After registering once he can always use his user ID to login anytime in the future.



3.2 System Menu

3.2.1 Home Page:

As soon as the user logs in, he is directed to the home page of the system where the basic information of the system is given. It also has a side bar through which we can navigate between pages. This side bar is included in all the pages.



3.2.2 Profile:

This has subsections to view profile, edit profile, change password and check booking status. View Profile helps to view his/her profile. Edit profile enables the user to make changes in his profile as the name suggests. Change password enables the user to change his password provided he knows his old password. Check booking status helps the user to see his previous and current booking and even the cost incurred is displayed.

Welcome - Tom

localhost/edit.php

ParkWhizz

Tom

Home

Profile

Book slot

About the developers

EDIT PROFILE

Name Tom

Contact Number 9874563210

Address #34 street #5 Washington

User Name tom

Age 100

Update Profile

Welcome - Tom

localhost/view.php

ParkWhizz

Tom

Home

Profile

Book slot

About the developers

VIEW PROFILE

Name Tom

Contact Number 9874563210

Address #34 street #5 Washington

Age 100

Welcome - Tom

localhost/changepass.php

ParkWhizz

Tom

Home

Profile

Book slot

About the developers

CHANGE PASSWORD

Old Password Previous password

New Password New Password

Confirm Password Confirm password

Change Password

Slot No.	Floor No.	Slot Status	Date	Entry time	Exit Time	Total Cost
20	1	Booked and reported	7 - 4 - 2016	13 : 30	14 : 1	Rs. 5.166666666666
12	1	Booked	18 - 4 - 2016	9 : 1	12 : 1	Rs. 30
1	1	Booked	18 - 4 - 2016	9 : 1	12 : 1	Rs. 30
9	2	Booked	19 - 1 - 2016	18 : 10	20 : 10	Rs. 20
10	2	vacant	7 - 4 - 2016	13 : 30	14 : 40	Rs. 11.666666666666

3.2.3 Book Slot:

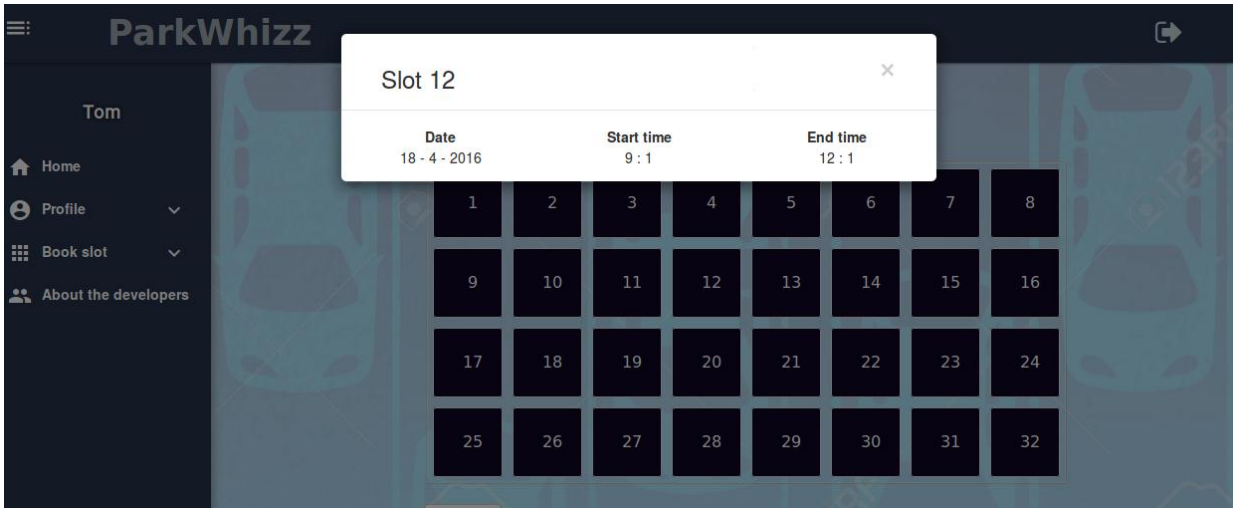
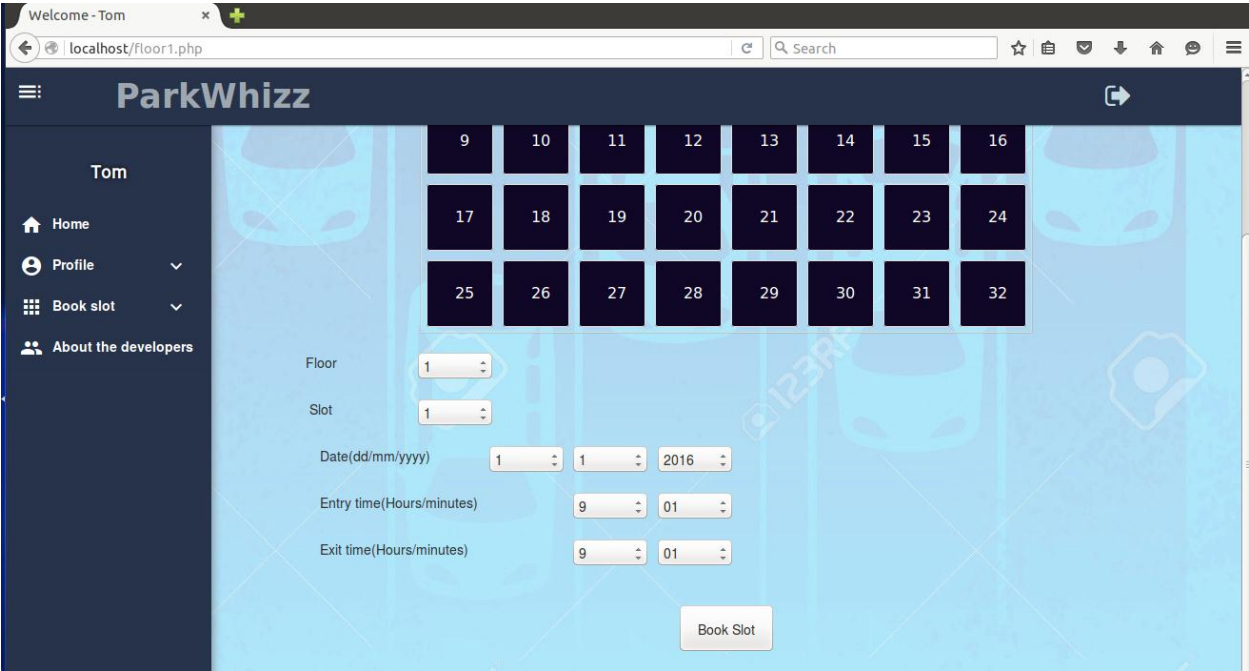
This section redirects the user to three subsections, that is, three floors. Each floor has a facility to book ticket. In each page the map of the parking lot is shown and clicking on each slot will give the user, the booking details of that slot. After checking for the availability of the slots the user can proceed to booking in the same page where he/she can choose the slot, date, entry and exit time and confirm his booking.

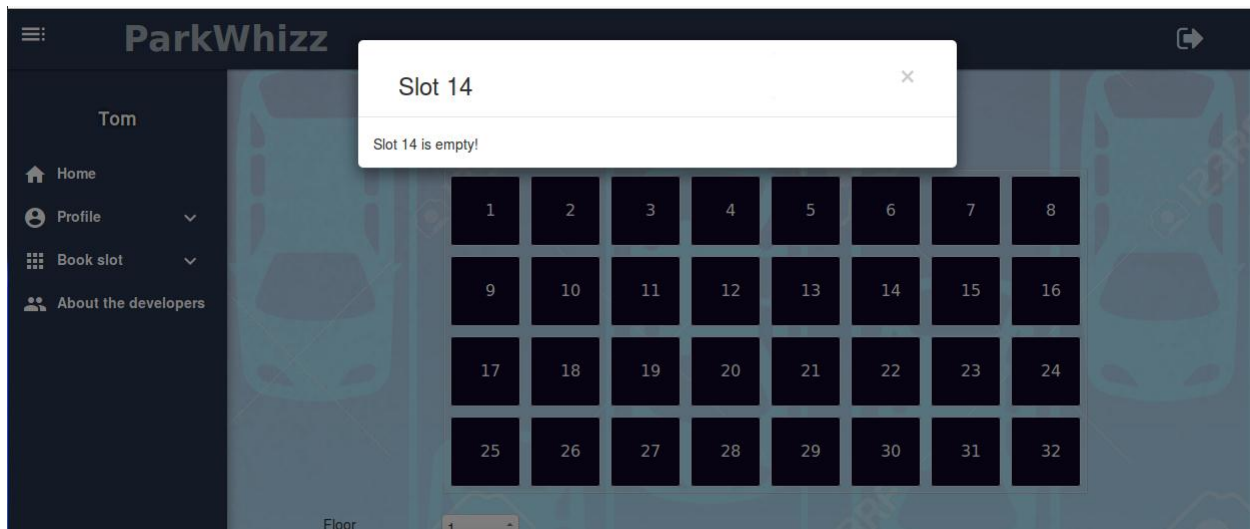
FLOOR 1

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	32

Floor:

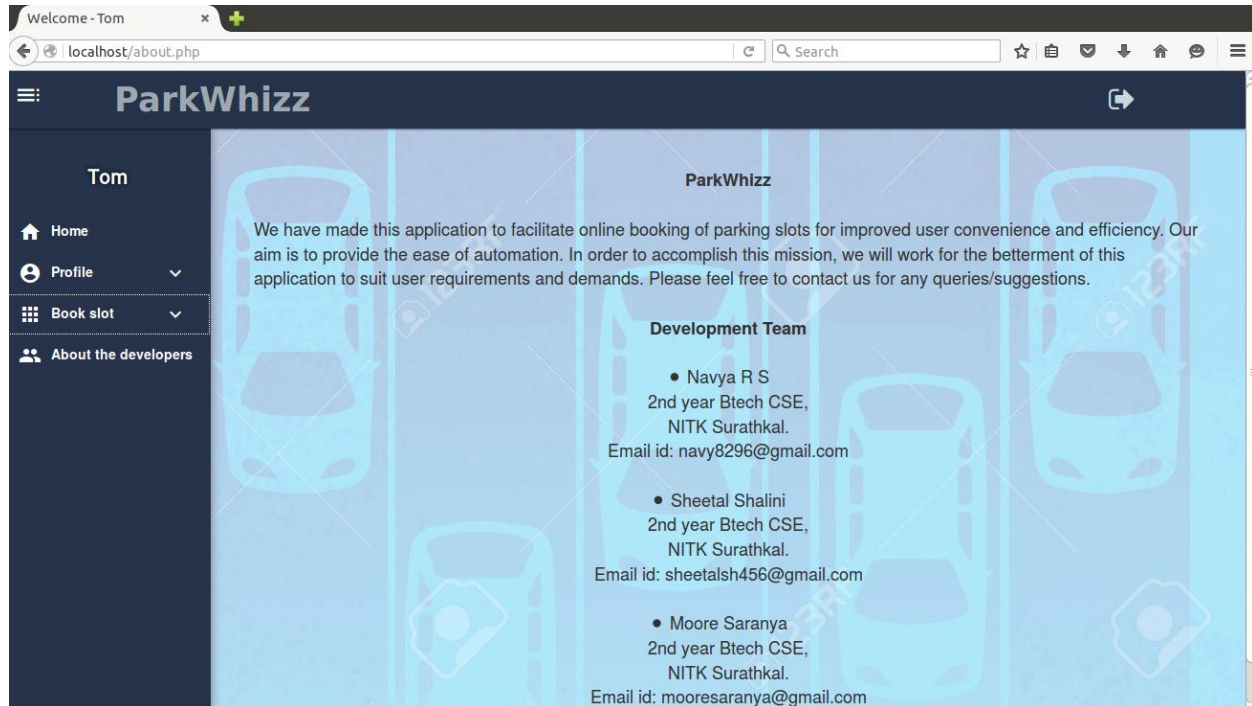
Slot:





3.2.4 About the developers:

In this page the information about the system and then about the developers is given. This helps the users in case of difficulty in handling the software.

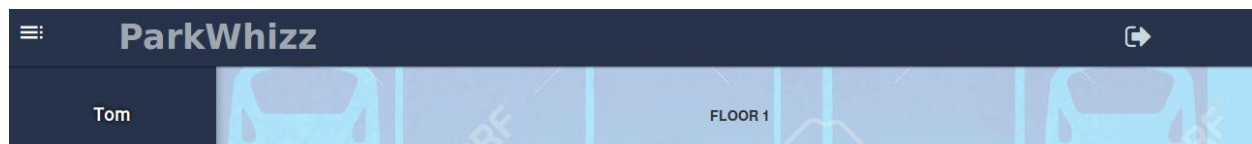


3.3 Changing User ID and Password

The user can easily change his username and password. To change user name go to the edit profile section in the sidebar and there the user can make the necessary changes. To change the password go to the change password section in the sidebar and by entering the old password and giving new password and reconfirming it, the user can change the password.

3.4 Exit System

To sign out from the system, there a logout button at the top right corner of the page on the navigation bar as shown in the picture below.



4.0 USING THE SYSTEM

4.0 USING THE SYSTEM

4.1 Initial set up:

Once LAMP is set up in the system(Linux) and WAMP(in windows) the software can be installed in the system. It sets up a local server.

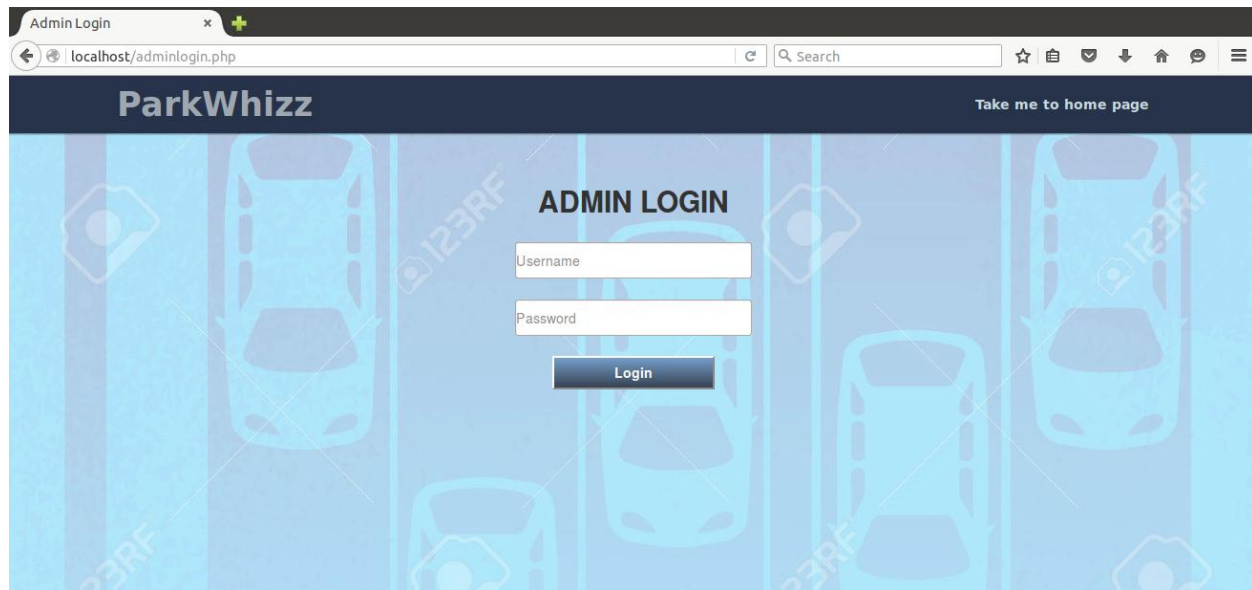
4.1 Further Usage:

The user needs to go to the login page where he/she can either register or login. After logging in the user can traverse through the side bar to go to the different pages and can sign out using the signout button on the navigation bar

5.0 Admin Functions

5.1 Admin Login

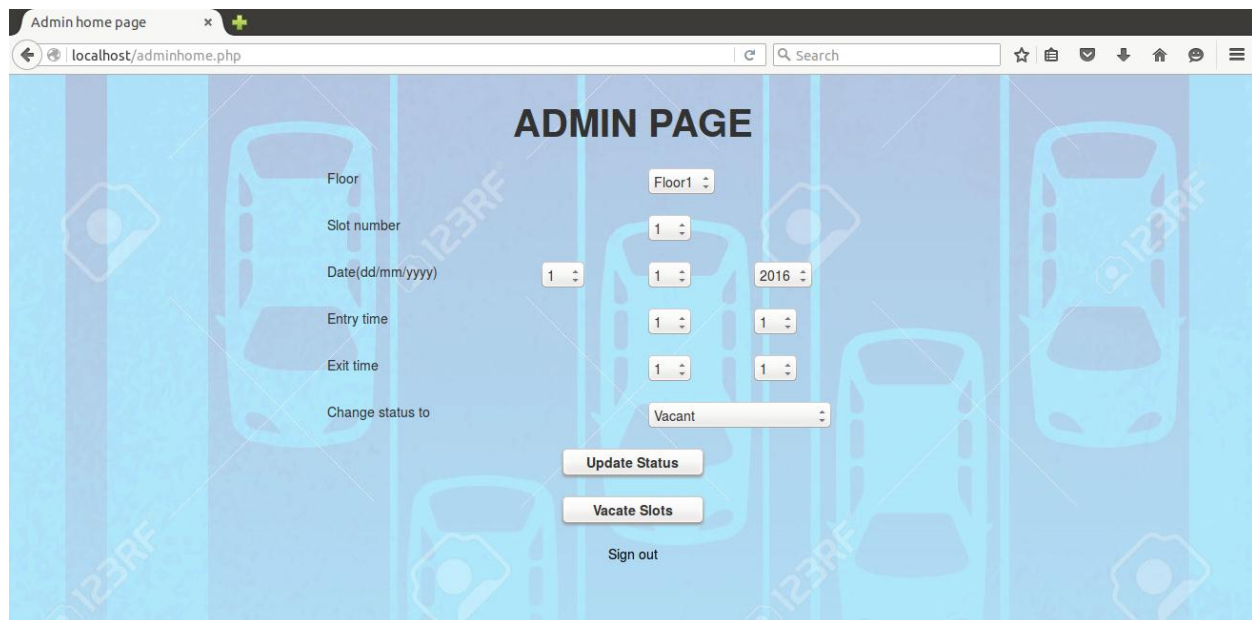
The admin has to first login to make any changes to the system. In this system the admin login details are hardcoded. Once the admin logs in he is redirected to the home page where he can perform his functions.



The screenshot shows a web browser window with the title 'Admin Login' and the URL 'localhost/adminlogin.php'. The page features a dark blue header with the 'ParkWhizz' logo on the left and a link 'Take me to home page' on the right. The main content area has a light blue background with a pattern of car silhouettes. In the center, there is a section titled 'ADMIN LOGIN' with two input fields: 'Username' and 'Password'. Below these fields is a blue 'Login' button.

5.2 Admin Homepage

The admin has the privileges to change the slot statuses of the users once he specifies the slot number, date, floor and entry and exit time. He can manage the slot statuses efficiently in this manner. Once the functions of the admin are done he/she can sign out.



The screenshot shows a web browser window with the title 'Admin home page' and the URL 'localhost/adminhome.php'. The page features a dark blue header with the 'ParkWhizz' logo on the left and a link 'Take me to home page' on the right. The main content area has a light blue background with a pattern of car silhouettes. In the center, there is a section titled 'ADMIN PAGE'. On the left side of this section, there are labels for 'Floor', 'Slot number', 'Date(dd/mm/yyyy)', 'Entry time', 'Exit time', and 'Change status to'. To the right of these labels are corresponding input fields: a dropdown for 'Floor' (showing 'Floor1'), a dropdown for 'Slot number' (showing '1'), a date picker for 'Date' (showing '1' for day and '2016' for year), two dropdowns for 'Entry time' and 'Exit time' (both showing '1'), and a dropdown for 'Change status to' (showing 'Vacant'). Below these input fields are two buttons: 'Update Status' and 'Vacate Slots'. At the bottom center of the section is a 'Sign out' link.