



**ÇANKAYA UNIVERSITY FACULTY OF  
ENGINEERING  
COMPUTER ENGINEERING DEPARTMENT**

**Final Project Report**

**CENG 408**

Innovative System Design and Development II

**ON-CLOUD PARKING  
MANAGEMENT SYSTEM**

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# SOFTWARE REQUIREMENTS SPECIFICATION (SRS)

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Figure 1 Profile Management Brief

Figure 2 Home Page Management Brief

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## 1. INTRODUCTION

### 1.1 Overview

On-Cloud Parking Management System: An application designed for people to easily find parking spaces in daily life. This application aims to help people save time and find parking spaces faster. This document contains detailed information about the project's requirements and the SRS document explains how users interact with the application.

### 1.2 Scope

Most of the people who own a car find it difficult to find parking spaces in crowded places, so sometimes they have to park their cars in remote parking spaces and walk. This causes them to waste too much time. There are not enough apps that fix this problem. This application has been made necessary to remove from these troubles.

On-Cloud Parking Management System project is designed to solve the parking problem that people experience in their daily lives both practically and quickly. This application allows people to interact with a new mobile technology. This interaction puts the closest and best car parks at your disposal. It also offers you many other services as well as parking. This project is easier access, cost efficient etc. It creates opportunities.

After you subscribe to the application, you have your own profile. In addition, the application has a home page. From this home page you can see the most popular parking lots near you. If you wish, you can see the car parks in the district you want from the search section. You can then access the detailed information of the car park you have chosen (Address, Location, Phone etc.) Can make reservations for parking lots.

### 1.3 References

IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements Specifications.

IEEE Computer Society, 1998.

## 2. OVERALL DESCRIPTION

### 2.1 Product Perspective

Parking Management System on Cloud is designed to provide easy, time-saving and reliable vehicle parking for daily parking problems. The project is divided into two parts: park information section and park reservation section. The parking information section shows you the five most popular car parks closest to you and gives you detailed information about the parking lots in your area or area you are looking for. The second part is the parking lot reservation section, in this section you can reserve the car park you have selected.

### 2.2 Development Methodology

We planned to use Python Django Framework, an easy software development methodology, to develop the project. Django Framework, PC, Windows, Mac, Linux etc. It works on any platform. It provides a layer between our developer and the database called ORM (object-relational mapper) that makes it possible to move or migrate our applications to other large databases with a few rows. Django can be installed and used easily. Django is a framework that is at a very good level in terms of security. It has an expandable management panel. When Django is installed, an admin panel of its own comes up. At first, we can develop this panel, which is very useful in basic operations, according to our wishes and desires. It provides detailed error reports. It is easier to solve the problem easily among the errors given in detail. From this point of view, the detail in the error report is more than the PHP language.

### 2.3 User Characteristic

#### 2.3.1 Users

- The user must be over the age of 18 to make a reservation.
- The user must have a driving license to be able to make a reservation after exceeding the age limit.

### 3 REQUIREMENTS SPECIFICATION

#### 3.3 External Interface Requirements

##### 3.3.1 User Interfaces

This section is detailed below.

##### 3.3.2 Hardware Interfaces

For the application, a smart mobile phone and the mobile phone must contain an android and IOS operating system.

##### 3.3.3 Software Interfaces

It does not require extra software.

##### 3.3.4 Communications Interfaces

No need for an interface for extra communication.

#### 3.4 Functional Requirements

##### 3.4.1 Enter Page Management Use Case

- Sign Up
- Exit

##### Diagram :

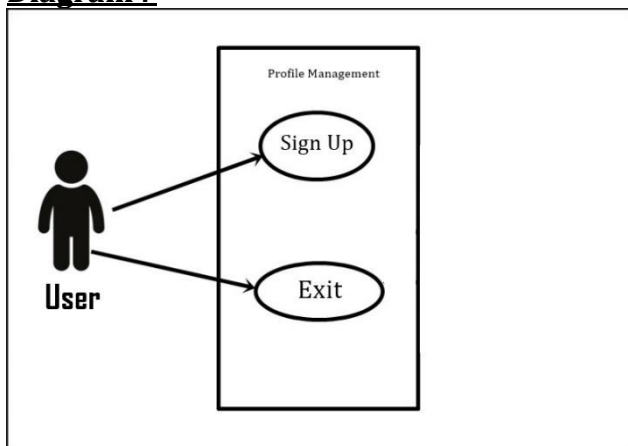


Figure 1 Profile Management Brief

##### Description :

In the Profile Management diagram (Figure 1), necessary information is given to enter the user's system. The user can use the following common function: Exit. Apart from these, the user can also use the Sign Up function.

##### First Step Step Description :

1. The user will start after logging into the system.
2. The user must log in to the system using a password.
3. User can leave the system.

#### 2.3.1 Home Page Management Use Case

- Search
- Profile

##### **Diagram :**

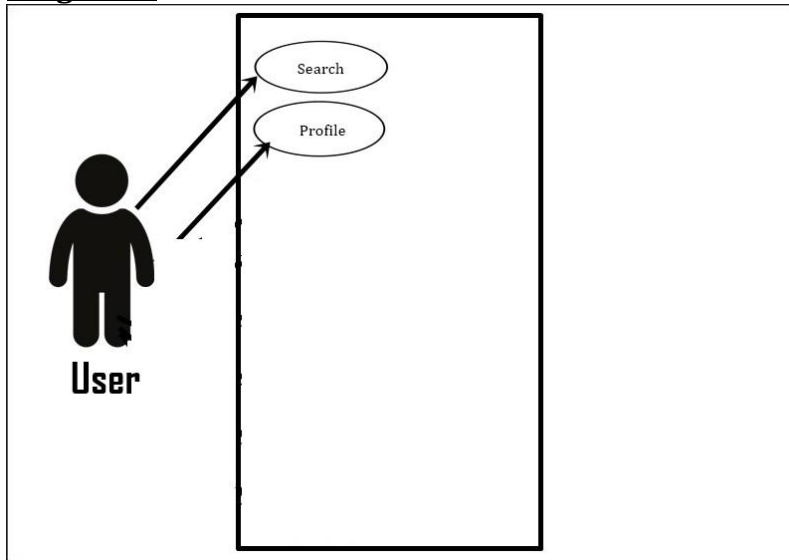


Figure 2 Home Page Management Brief

##### **Description :**

Figure 2 main page usage diagram. As shown in this diagram, the user can enter the search section and search for whatever they want there. If the user selects the profile section, they will access their own information. The user can choose and edit this list.

##### **First Step Step Description :**

1. If the user selects the search section, they can search for the desired address or select one of the available districts.
2. If the user selects the profile section, they can access their information in the application.

#### 2.3.2 Settings Menu Management Use Case

- User Settings
- Registered Vehicle Information
- Password
- Delete Account

##### **Diagram :**



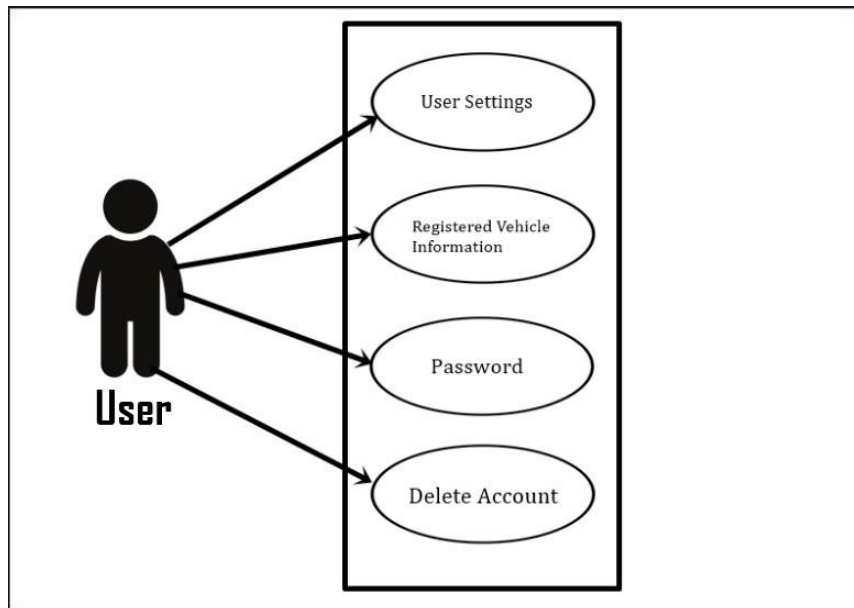


Figure 3 Settings Menu Management Brief

**Description :**

Figure 3 shows user option menu use case diagram. The user can change her/his personal information in the User settings section. You can enter or correct the information of the vehicle or vehicles from the Registered vehicle information section. The user can change her/his password in the Password section. In the Delete Account section, the user can delete their account permanently or temporarily.

**First Step Step Description :**

1. The user can access their personal settings from the user settings section and make changes if they wish.
2. The user can add their vehicle or vehicles from the registered vehicle information section and then change them if they wish.
3. The user can change her/his password from the password section.
4. The user can delete her/his account temporarily or permanently from the delete account section.

### 3. Performance Requirement

Since the application is still in the design phase, no detailed information is provided, but the user must have a smart android and IOS phone that can connect to the internet as a first step.

#### 3.2 Software System Attributes

##### 3.2.1 Portability

- On-Cloud Parking Management System is designed for android and IOS phones using Django.

##### 3.2.2 Performance

- The user should not make a reservation without entering vehicle information.

##### 3.2.3 Usability

- There is no need for usability as no data is received and recorded since the run time.

### 3.2.4 Adaptability

- There is no need for adaptability as no data is received and recorded since the run time.

### 3.2.5 Scalability

- There is no need for Scalability as no data is received and recorded since the run time.

## 4. Safety Requirement

### 4.1 Api Layer

JWT (JSON Web Tokens) is an RFC7519 industry standard. JWT can be used for many issues such as user authentication, web service security, and information security. Whether the token is valid or not is verified by JWT. The JWT verification process is very simple. In the incoming token, Header (1st part) and Payload (2nd part) are signed with the secret key on our server and the 3rd part is calculated. Then, this created signature (part 3) is compared with the signature received by the client. If the signatures are the same, the token is considered valid and access is granted to the user. One of the advantages of JWT is that it uses json data.

## SOFTWARE DESIGN DOCUMENT (SDD)

### 1. Introduction

#### 1.1 Purpose

The On-Cloud Parking Management System aims to find reliable parking spaces for their vehicles in the shortest time and easily where they want to go. When the vehicles wandering to find a parking space can easily find a parking space, it will have a little effect on the reduction of the traffic problem in big cities. In addition, it will create a tracking and management system for parking lot owners.

#### 1.2 Scope

The Software Design Document will include the general description and features of the project, design constraints, overall system architecture and data architecture, our current progress, and a brief description of the project's schedule. The design of the system and its subsystems will be explained visually with the help of UML diagrams to help the programmer understand all the information stated in this document accurately and easily.

#### 1.3 Definitions, Abbreviations, Acronyms

SDD	Software Design Document
UML Diagram	Unified Modeling Language
IEEE	Institute of Electrical and Electronics Engineers
Use Case Diagram	Represents user's interaction with the system.
Sequence Diagram	A sequence diagram is the most commonly used interaction diagram.

#### 1.4 References

IEEE. IEEE Std 830-1998 IEEE Recommended Practice for Software Requirements

Specifications.

IEEE Computer Society, 1998.

## 1.5 Overview

The Overview section, of this document gives an overview of the functionality of the product. It describes the formal requirements and is used to for the technical support in the next chapter.

## 2. Design Considerations

### 2.1 Approach

Important points were taken into consideration while designing the On-Cloud Parking Management System project. This project is aimed at resolving the requests of the user in the fastest and most reliable way. One of the most important points discussed in the user section is that when the user starts using this application, the screen description is detected without difficulty. As shown in section 5.2.1, the implementation is understandable and simple for people of all structures. Every effort has been made to keep the personal data entered by the user securely and to work without errors.

### 2.2 Tools Used

- Django for framework
- PostgreSQL for database
- Python
- Flutter For GUI
- Cloud Firebase – Backend by Google

### 2.3 Constraints

Since it is a mobile application for application visuals presented to the user, there will be maximum efficiency on the restricted screen. The user will be kept busy in order not to lose the user during delays in the application. (ex. transition from blurry to sharp image.)

## 2.4 Assumptions and Dependencies

We assume that users will provide correct and complete data to be entered while signing up for our application. If there is an incorrect login, it is the user's duty to make the necessary corrections with the guidance of our system.

Our application will first be designed for Ankara parking lots. Our first version is not available for potential users in other provinces.

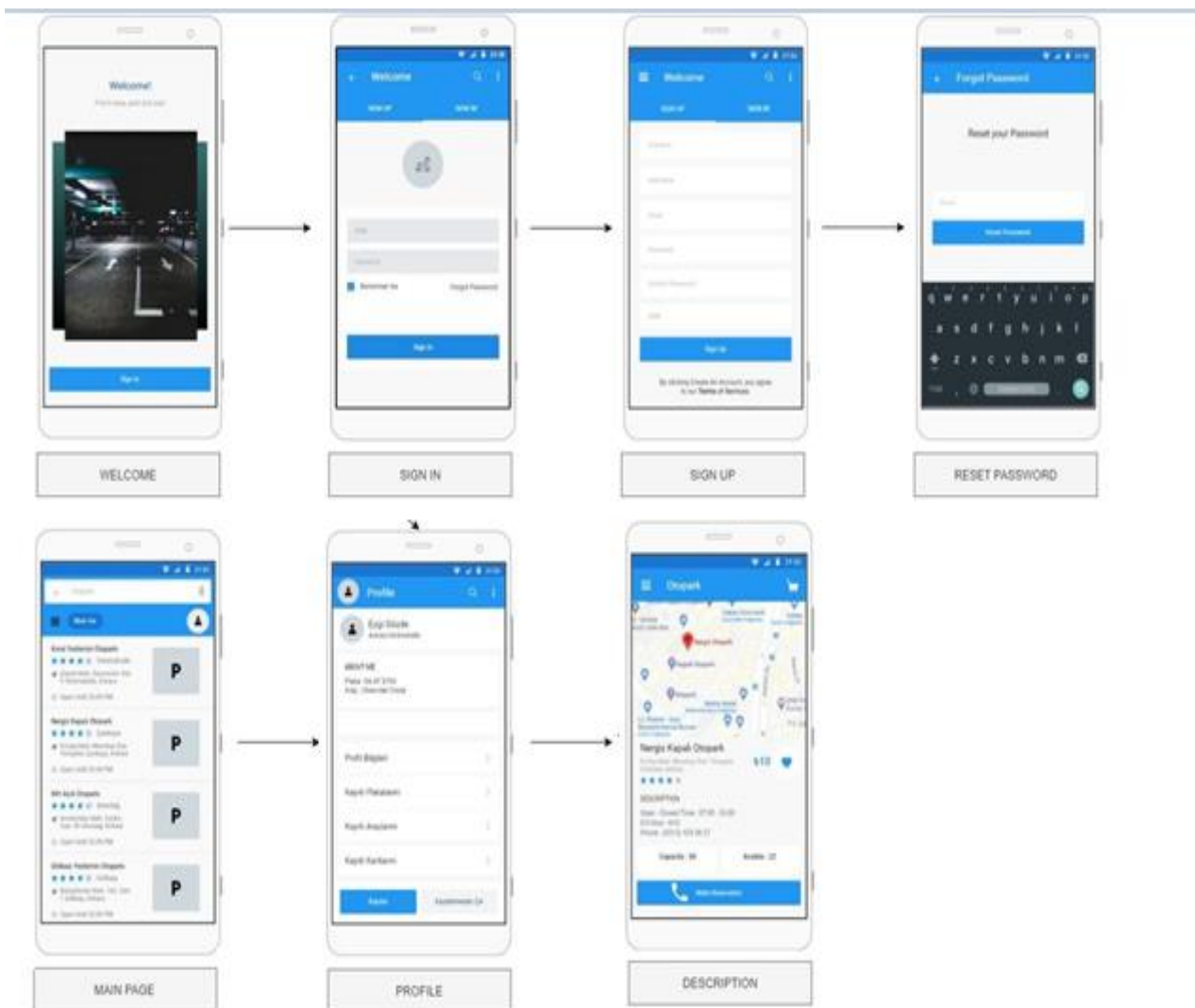
### 3. System Interfaces

#### 3.1 External System Interfaces

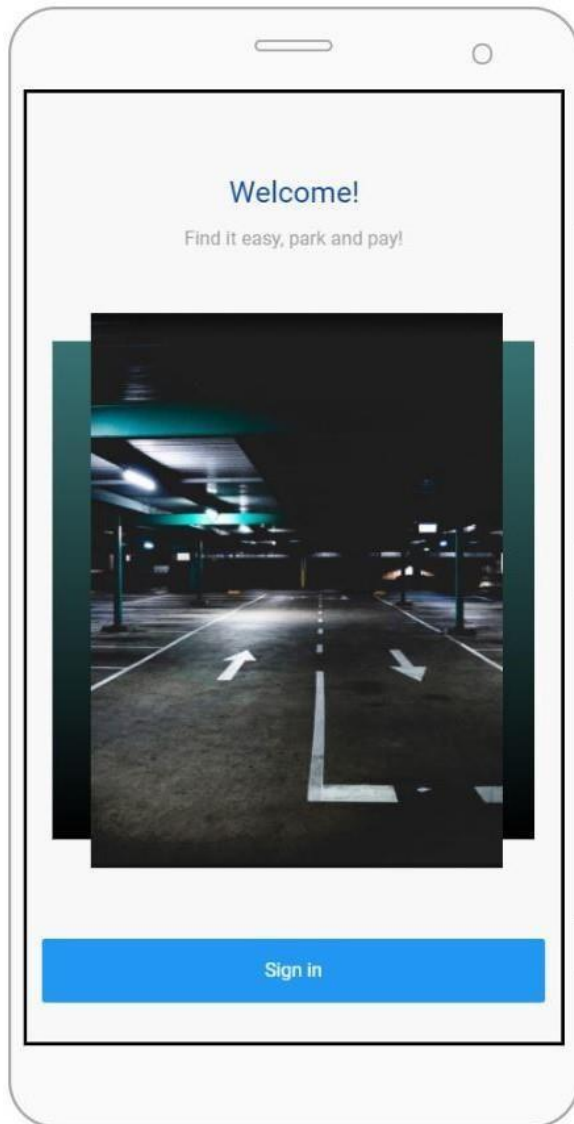
Our system interacts with the external system called Google Map Platform API. Within the parking service to be offered to the user, the closest parking lot to the user, the parking lot information arranged according to the districts, the location information of the parking lots will work on this platform.

### 4. User Interface Design

#### 4.1 Navigation

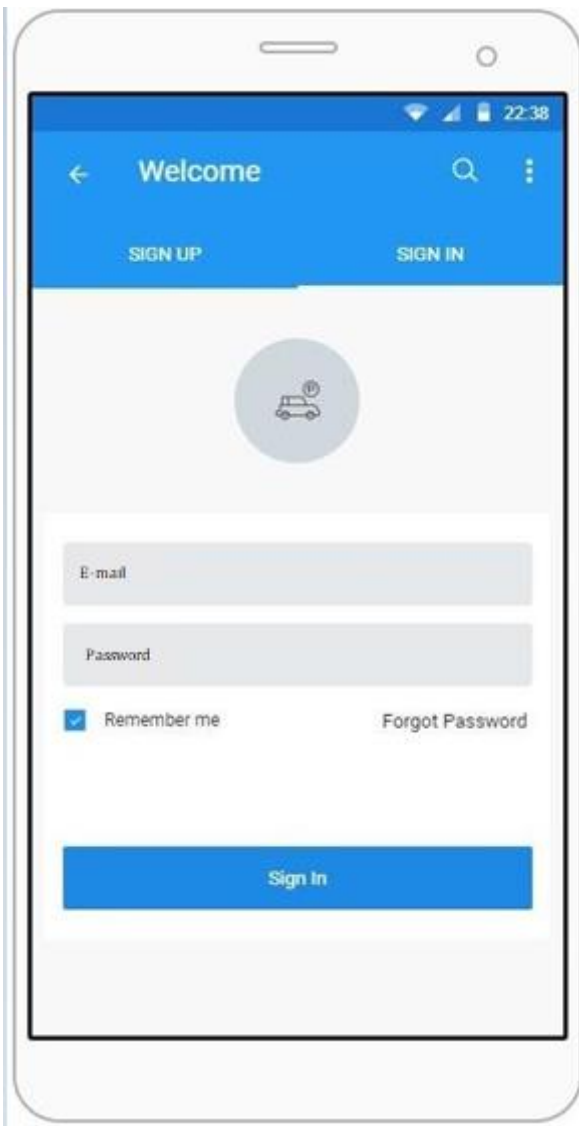


## 4.2 Screen Definitions



When the application is first opened, the user is greeted with a Welcome page. If he is a registered user, he/she is directed by the 'Sign In' button.

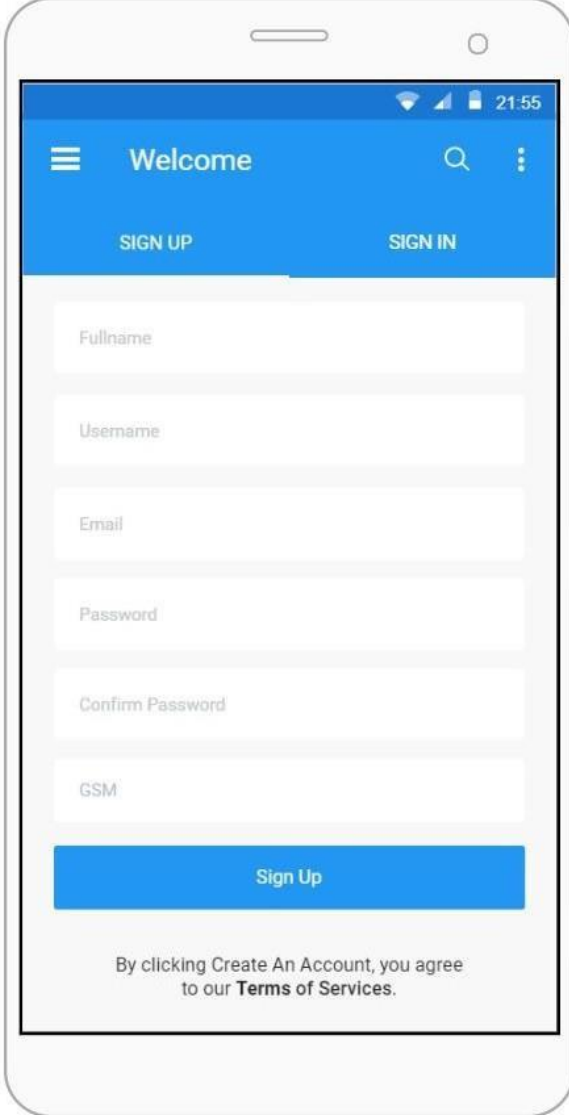
### 5.2.1 Sign In



The registered user logs in by entering his/her e-mail and password to log into the application.

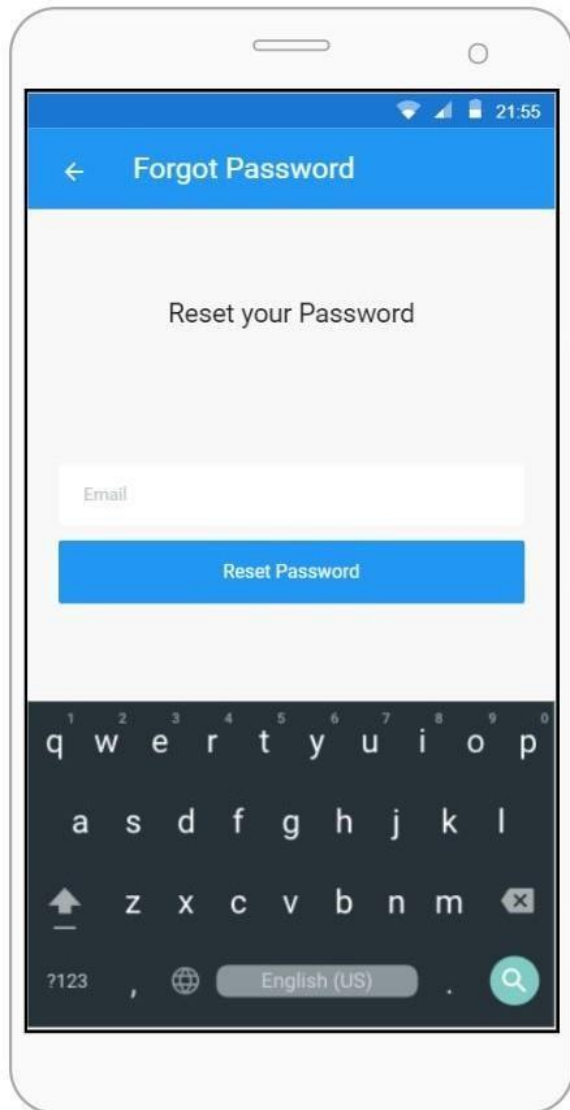


### 5.2.2 Sign Up

A mobile application interface for signing up. The screen has a blue header with a hamburger menu icon, the word "Welcome", a search icon, and a three-dot menu icon. Below the header, there are two tabs: "SIGN UP" (active) and "SIGN IN". The main content area contains six input fields: "Fullname", "Username", "Email", "Password", "Confirm Password", and "GSM". Below these fields is a blue "Sign Up" button. At the bottom, there is a line of text: "By clicking Create An Account, you agree to our **Terms of Services**."

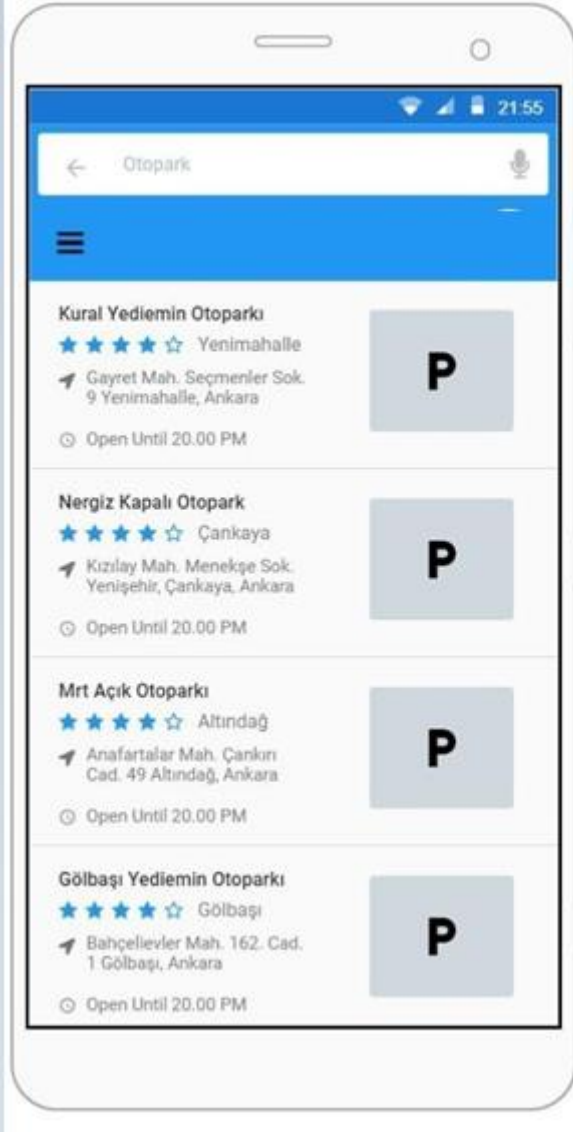
The user who is not registered in the application registers to the system by entering the First name, Last name, E-mail, Password and GSM numbers respectively. E-mail information, on the other hand, is prompted for a reliable password reset when the user forgets his password.

### 5.2.3 Forgot Password



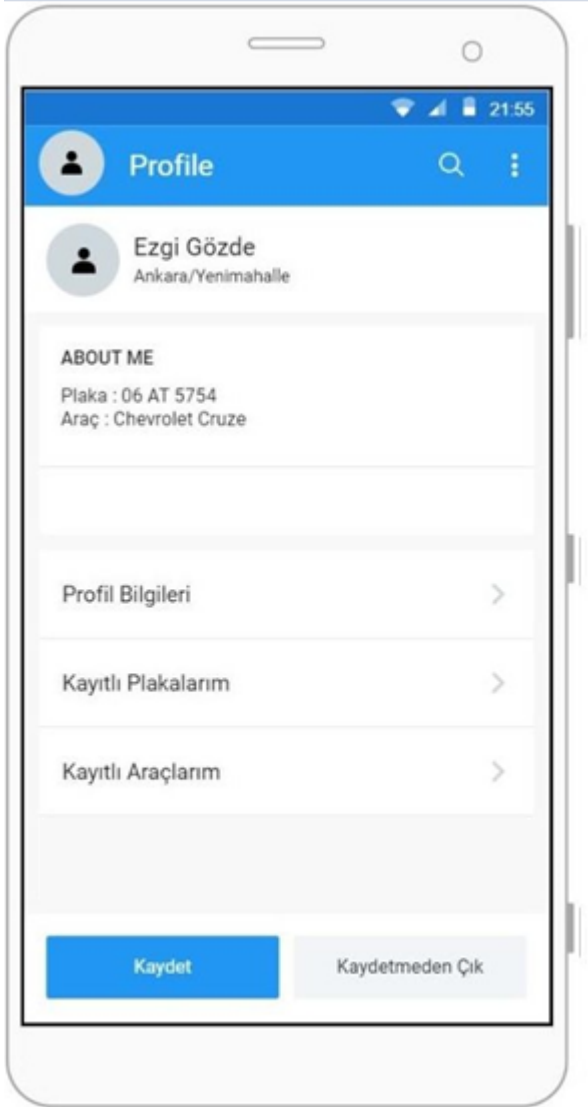
When the registered user forgets his password, he is directed to this screen and writes the e-mail address he entered while registering the application. The link to the e-mail is directed to the new password creation section.

### 5.2.4 Main Screen



It is the first screen that the registered user will encounter when entering the application. In this section, it is listed the closest parking lots to the user's location are listed in Ankara. These features include the name of the car park, if available, star rate, location and closing time.

### 5.2.5 Profile

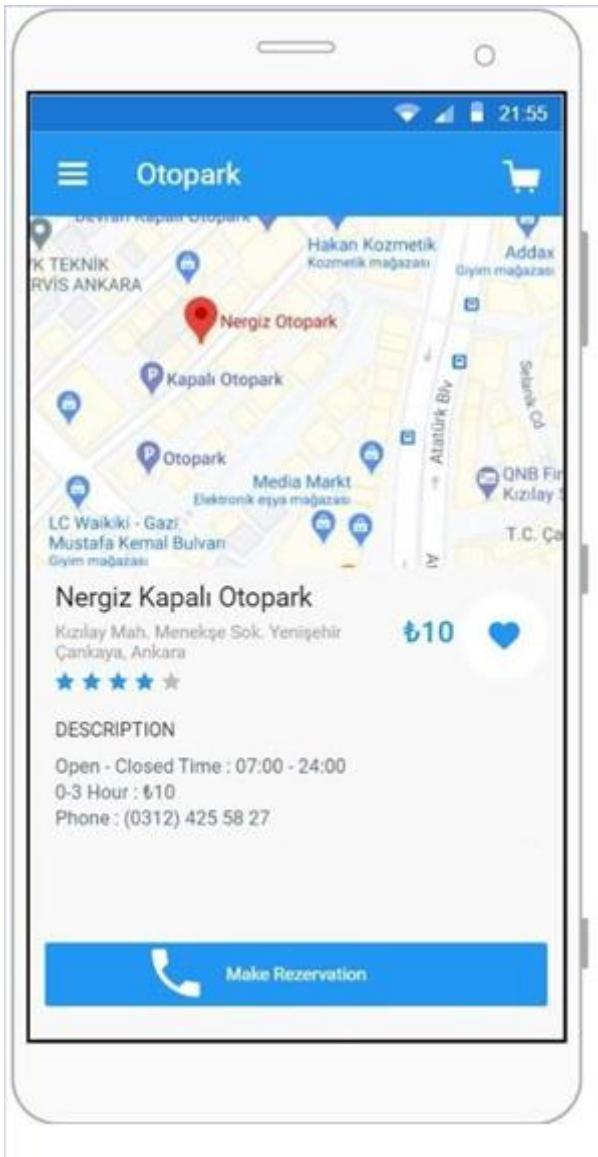


On this screen, the user can view and update their personal information.

The information on the screen includes the user's vehicle license plate and model.

If the user wants to enter more than one feature for the license plate and model, they can add and update from the recorded information section.

### 5.2.6 Car Parking Description



On this screen, the information of the parking lot the user has selected in 5.2.4 section is listed. There is a map view of the park at the top of the screen. In the lower part, there is the fee, opening-closing time and number of the parking lot.

The capacity section shows the general capacity of this car park.

With the Available section, the user is informed about how many free places are available during the day.

With the easy search section, the user can make a reservation by directly calling the parking lot.

## 5. Process Design

### 5.1 Use Cases

<b>Use Case Name:</b>	Sign In
<b>Use Case ID:</b>	UC1
<b>Included Use Case(s):</b>	Sign Up
<b>Primary Actor(s):</b>	User
<b>Description:</b>	The user logs in here to use the application.
<b>Precondition:</b>	Must have downloaded the application and must be a registered user.
<b>Main Scenario:</b>	<ol style="list-style-type: none"> <li>1. The Application should be entered. If not registered user must be registered.</li> <li>2. He must enter his registered phone number.</li> <li>3. He must enter his password. If they forgot it, they should click Forgot Password and get a new password.</li> <li>4. In the Forgot My Password section, he / she should update his / her password with the password renewal e-mail received.</li> <li>5. Finally, the application is entered by pressing the Sign In button.</li> </ol>

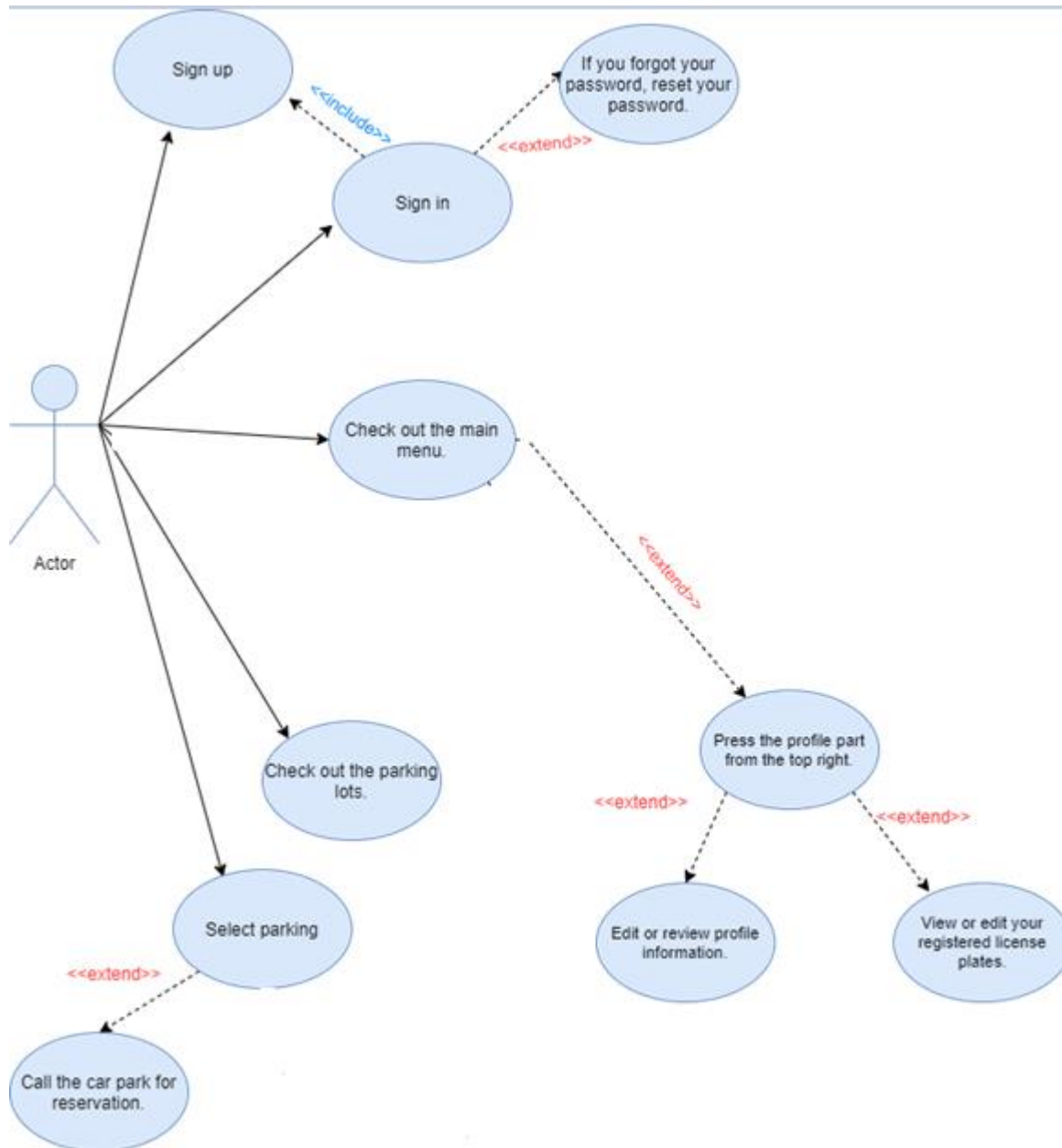
<b>Use Case Name:</b>	Sign Up
<b>Use Case ID:</b>	UC2
<b>Included Use Case(s):</b>	-
<b>Primary Actor(s):</b>	User
<b>Description:</b>	It is for the new user to complete the membership form and become a member.
<b>Precondition:</b>	The user must have downloaded and run the application.
<b>Main Scenario:</b>	<ol style="list-style-type: none"> <li>1. The user must first enter their full name.</li> <li>2. The user must set himself a username.</li> <li>3. User must enter their email.</li> <li>4. Finally, by e-mail and clicking the sign up button, the member form is completed.</li> </ol>

<b>Use Case Name:</b>	Check out the parking lots
<b>Use Case ID:</b>	UC3
<b>Included Use Case(s):</b>	-
<b>Primary Actor(s):</b>	User
<b>Description:</b>	Here, the car parks are presented to the user in order. The user can quickly inspect the parking lots.
<b>Precondition:</b>	It must have installed and run the application and logged in as a member.
<b>Main Scenario:</b>	<ol style="list-style-type: none"> <li>1. Parking lots are shown one under the other.</li> <li>2. Important details (parking lot rating, availability, price, etc.) are in the box of the relevant parking lot.</li> <li>3. Can filter and sort. (Price, location etc.)</li> </ol>



<b>Use Case Name:</b>	Select Parking
<b>Use Case ID:</b>	UC4
<b>Included Use Case(s):</b>	-
<b>Primary Actor(s):</b>	User
<b>Description:</b>	The user selects one of the car parks and the user can access detailed information of the selected car park.
<b>Precondition:</b>	It must have installed and run the application and logged in as a member.
<b>Main Scenario:</b>	<ol style="list-style-type: none"> <li>1. The user selects one car park among the car parks.</li> <li>2. You can see the detailed information of the parking lot chosen. These are: the exact location, photos, price information, detailed information of the car park, opportunities if there are opportunities, total capacity and the number of available par areas</li> </ol>

UML Diagram:



## 5.2 Sequence Diagrams

Diagram for UC1:

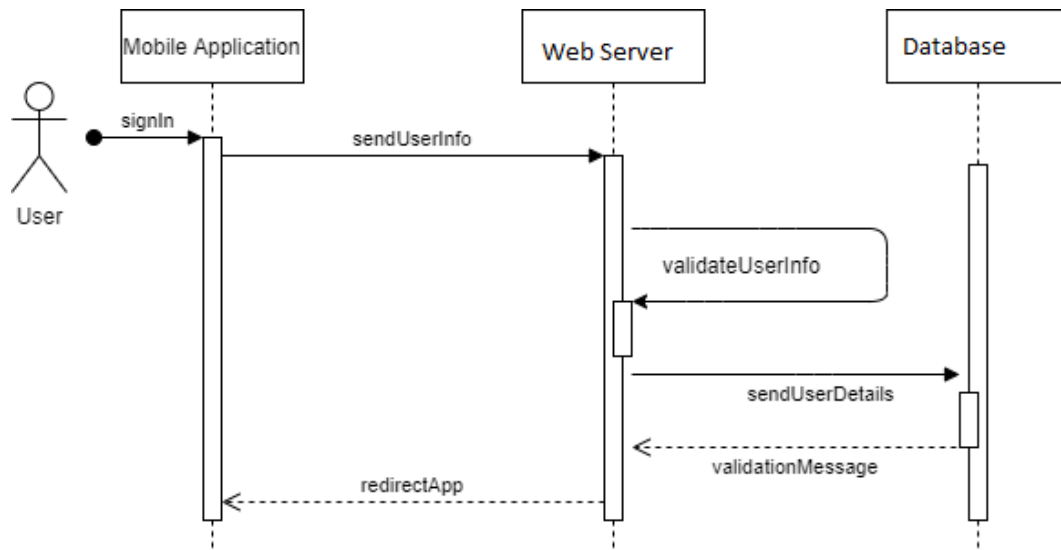
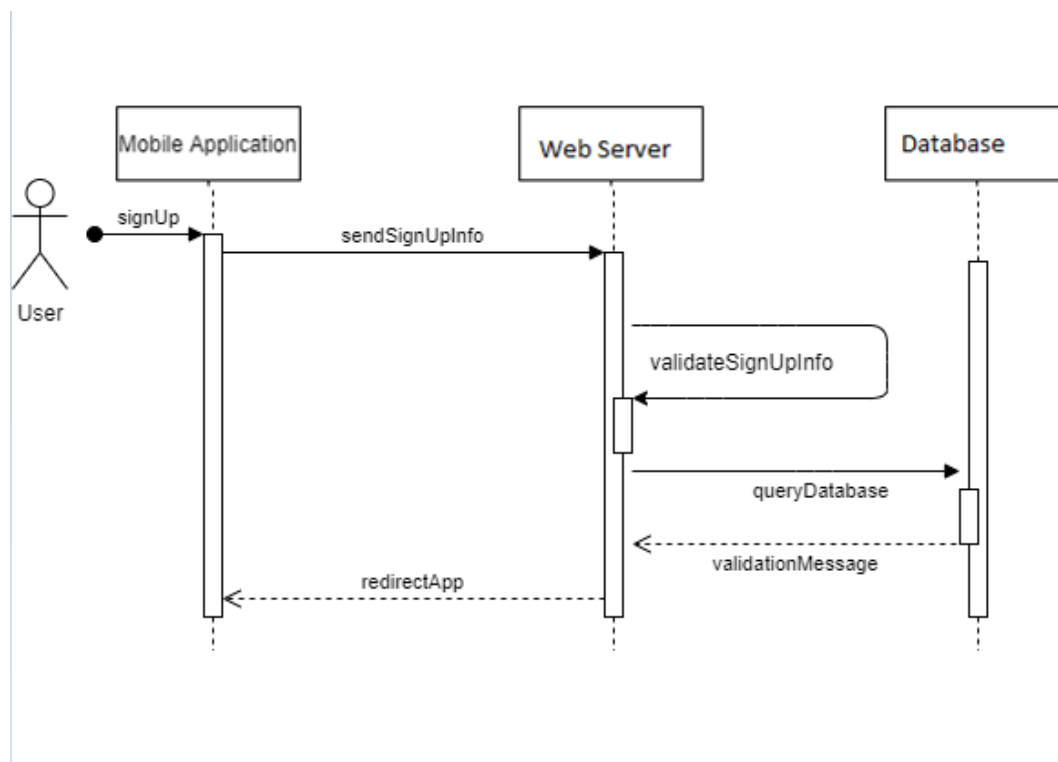


Diagram for UC2:



## TEST PLAN AND RESULTS

### 1.INTRODUCTION

#### 1.1 Version Control

Version No	Description of Changes	Date
1.0	First Version	April 16, 2021

#### 1.2 Overview

On-Cloud Parking Management System users namely participant and procedure which had been determined in SRS document will be tested.

#### 1.3 Scope

This document scenarios the test plan of the use cases, test design features and the test cases correspond to test plan.

#### 1.4 Terminology

Acronym	Definition
UI	User Interface
UT	User-owned Transaction
CT	Car Parking Transaction

## 2. FEATURES TO BE TESTED

This section lists and gives a brief description of all the major features to be tested. For each major feature there will be a Test Design Specification added at the end of this document.

### 2.1 User Interface (UI)

In this project, native frontend was used. An understandable, effective user interface with high visual quality is important for mobile applications. The user interface is divided into three main headings in this application as user login / registration processes as main sections, parking lot information as the main section and a profile section for user requests. There are additional parts in the interface of the application. User interface operations will be tested in this section.

### 2.2 User-Owned Transactions (UT)

The basis of this project is designed to be user-friendly, so the user-related transactions, for example, the security of the application (user data), easy access to the desired parking information, the user's information can be updated, etc. components will be tested.

### 2.3 Car Parking Transactions (CT)

This project was started considering the needs of the parking lot, therefore, it will be tested to transfer the parking information to the user in a correct and safe way, to process the visual of the map information by taking the latitude and longitude information, and to follow the changing parking information to keep it up to date.

## 3. FEATURES NOT TO BE TESTED

Two main topics will not be tested in our application.

Performance Test: By changing the connection from 3G to WIFI, sharing documents, battery consumption, etc. test the performance of the application by doing.

Operational Tests: Testing of data backup and recovery plans.

## 4. ITEM PASS/FAIL CRITERIA

Describe the general rule to use to decide when a test case passes and when it fails.

### 4.1 Exit Criteria

- 100% of the test cases are executed.
- 95% of the test cases passed.
- All High priority test cases passed

## 5. REFERENCES

[1] Group11\_On-Cloud Parking Management System\_SRS , 16 April 2021

[2] Group11\_On-Cloud Parking Management System\_SDD , 16 April 2021

## 6. TEST DESIGN SPECIFICATIONS

### 6.1 User Interface (UI)

#### 6.1.1 Subfeatures to be tested

##### 6.1.1.1 Sign In (UI.SIn\_Button)

If the user is registered after logging into the application, he / she is directed to the main page by selecting the "Sign In" button. If not, he / she is directed to the registration creation page by selecting the "Sign Up" button.

##### 6.1.1.2 Reset Password (UI.RPassword\_Button)

If the user has forgotten his / her password information, he / she creates a new password via e-mail by selecting the "Reset Password" button.

##### 6.1.1.3 Sign Up (UI.SUP\_Button)

If the "Sign Up" button has been selected, the user enters the requested information here (Name, Username, e-mail, password, phone). It creates a profile of its own.

##### 6.1.1.4 Search (UI.Search\_Button)

If the user selects the "Search" button, he will see the list of districts in Ankara.

##### 6.1.1.5 Profile (UI.Profile\_Button)

If the user selects the "Profile" button, they get their car and personal information.

##### 6.1.1.6 Profile Edit (UI.PEdit\_Button)

If the user selects the "Profile Information" button, they will access the information they entered during registration.

##### 6.1.1.7 Registered Vehicles (UI.RVehicles\_Button)

If the user selects the "Registered Vehicles" button, the vehicle information they have entered is accessed.

#### **6.1.1.8 Registered Plate (UI.RPlate\_Button)**

If the user selects the "Registered Plate" button, the license plate information of the vehicle she has entered is accessed.

#### **6.1.1.9 Make Reservations (UI.MReservations\_Button)**

If the user selects the "Make Reservations" button, they can access and search the parking lot number on the page it is viewing.

## 6.1.2 Test Cases

TC ID	Requirements	Priority	Scenaio Description
(UI.SIn_Button)	3.2.1	H	After the user logs into the application, the "Login" button is selected and it is directed to the main page.
(UI.RPassword_Button)	3.2.1	H	If the user has forgotten his / her password information, he / she creates a new password via e-mail by selecting the "Reset Password" button.
(UI.SUp_Button)	3.2.1	H	If the "Sign Up" button has been selected, the user enters the requested information here. It creates a profile of its own.

TC ID	Requirements	Priority	Scenaio Description
Search (UI.Search_Button)	3.2.2	M	If the user selects the "Search" button, he will see the list of districts in Ankara.
Profile(UI.Profile_Button)	3.2.2	M	If the user selects the "Profile" button, they get their car and personal information.



## On-Cloud Parking Management System

TC ID	Requirements	Priority	Scenaio Description
Profile Information(UI.PInformation_Button)	3.2.3	L	If the user selects the "Profile Information" button, they will access the information they entered during registration.
Registered Vehicles(UI.RVehicles_Button)	3.2.3	L	If the user selects the "Registered Vehicles" button, the vehicle information they have entered is accessed.
Registered Vehicles(UI.RVehicles_Button)	3.2.3	L	If the user selects the "Registered Vehicles" button, the vehicle information they have entered is accessed.

TC ID	Requirements	Priority	Scenaio Description
Make Rezervations (UI.MRezervations_Button)	3.2.2	H	If the user selects the "Make Rezervations" button, they can access and search the parking lot number on the page it is viewing.

## 7.Detailed Test Cases

### 7.1 UI.SIn\_Button

<b>TC_ID</b>	UI.SIn_Button
<b>Purpose</b>	Launches the main page correctly.
<b>Requirements</b>	3.2.1
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Application running.
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Go to sign in page.
	[A02] Enter a valid gsm number.
	[A03] Enter the valid password for this user
	[A04] Click on the “Sign In” button.
	[V01] Observe that the login is successful and the main page appears
<b>Cleanup</b>	Logout

### 7.2 UI.RPassword\_Button

<b>TC_ID</b>	UI.RPassword_Button
<b>Purpose</b>	Creating a new password for the user.
<b>Requirements</b>	3.2.1
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	User must be registered
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select “Reset Password” button from Sign In.
	[A02] Enter a new password and update it.
	[V01] Observe that the password has been successfully changed.
<b>Cleanup</b>	Go back to previous page.

### 7.3 UI.SUp\_Button

<b>TC_ID</b>	UI.SUp_Button
<b>Purpose</b>	Creating a new user.
<b>Requirements</b>	3.2.1
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Application running.
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select "Sign Up" button from Sign In.
	[A02] Create a new user by entering the information.
	[V01] Observe that the new user has been created successfully.
<b>Cleanup</b>	Logout

### 7.4 UI.Search\_Button

<b>TC_ID</b>	UI.Search_Button
<b>Purpose</b>	User can search.
<b>Requirements</b>	3.2.2
<b>Priority</b>	Medium.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	logs in by selecting the "Sign In" button.
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select the "Search" button from the main page.
	[A02] Ankara districts are listed.
	[A03] Word is entered and search is made.
	[V01] Results related to the searched word are listed.
<b>Cleanup</b>	Go back to previous page.

## 7.5 UI.Profile\_Button

<b>TC_ID</b>	UI.Profile_Button
<b>Purpose</b>	The page with the user information.
<b>Requirements</b>	3.2.2
<b>Priority</b>	Medium.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Opens the profile by selecting the "Profile" button.
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select the "Profile" button from the main page. [V01] Profile information can be accessed.
<b>Cleanup</b>	Go back to previous page.

## 7.6 UI.PEdit\_Button

<b>TC_ID</b>	UI.PEdit_Button
<b>Purpose</b>	Updating profile information
<b>Requirements</b>	3.2.3
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Opens the profile edit by selecting the "Profile Edit" button
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select the "Profile Edit" button from the profile page. [V01] Profile update can be done on the page that opens.
<b>Cleanup</b>	Go back to previous page.

## 7.7 UI.RVehicles\_Button

<b>TC_ID</b>	UI.RVehicles_Button
<b>Purpose</b>	Adding and updating registered vehicle information
<b>Requirements</b>	3.2.3
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Opens the registered vehicles by selecting the "Registered Vehicles" button
<b>Setup</b>	The application must be downloaded to the phone.
<b>Procedure</b>	[A01] Select the "Registered Vehicles" button from the profile page. [V01] Vehicles update can be done on the page that opens.
<b>Cleanup</b>	Go back to previous page.

## 7.8 UI.RPlate\_Button

<b>TC_ID</b>	UI.RPlate_Button
<b>Purpose</b>	Adding and updating registered plate information
<b>Requirements</b>	3.2.3
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	Opens the registered plate by selecting the "Registered Plate" button
<b>Setup</b>	The application must be downloaded to the phone
<b>Procedure</b>	[A01] Select the "Registered Plate" button from the profile page. [V01] Vehicles plates update can be done on the page that opens.
<b>Cleanup</b>	Go back to previous page.

## 7.9 UI.MReservations\_Button

<b>TC_ID</b>	UI.MReservations_Button
<b>Purpose</b>	Make a reservation by search
<b>Requirements</b>	3.2.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minutes
<b>Dependency</b>	A phone call is made by selecting the "Make Reservations" button.
<b>Setup</b>	The application must be downloaded to the phone
<b>Procedure</b>	[A01] Select the "Make Reservations" button from the descriptions page.
	[V01] Phone information is accessed.
	[A02] A phone call can be made.
	[V01] After the process is completed successfully, the application is exited.
<b>Cleanup</b>	Logout

## 8. Test Results

### 8.1 Individual Test Results

TC ID	Date Run	Priority	Result	Explanation
(UI.SIn_Button)	27.05.2021	H	Pass	After the user logs into the application, the "Login" button is selected and it is directed to the main page.
(UI.RPassword_Button)	27.05.2021	H	Pass	If the user has forgotten his / her password information, he / she creates a new password via e-mail by selecting the "Reset Password" button.

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(UI.SUp_Button)	27.05.2021	<b>H</b>	Pass	If the "Sign Up" button has been selected, the user enters the requested information here. It creates a profile of its own.
Search (UI.Search_Button)	27.05.2021	<b>M</b>	Pass	If the user selects the "Search" button, he will see the list of districts in Ankara.
Profile(UI.Profile_Button)	27.05.2021	<b>M</b>	Pass	If the user selects the "Profile" button, they get their car and personal information.
Profile Information(UI.PInformation_Button)	27.05.2021	<b>L</b>	Pass	If the user selects the "Profile Information" button, they will access the information they entered during registration.
Registered Vehicles(UI.RVehicles_Button)	27.05.2021	<b>L</b>	Pass	If the user selects the "Registered Vehicles" button, the vehicle information they have entered is accessed.
Registered Licence Plate(UI.RLicencePlate_Button)	27.05.2021	<b>L</b>	Pass	If the user selects the "Registered Licence Plate" button, the plate information they have entered is accessed.
Make Rezervations (UI.MRezervations_Button)	27.05.2021	<b>H</b>	Pass	If the user selects the "Make Rezervations" button, they can access and search the parking lot number on the page it is viewing

<b>Priority</b>	<b><i>Number of TCs</i></b>	<b><i>Executed</i></b>	<b><i>Passed</i></b>
<b>H</b>	4	4	4
<b>M</b>	2	2	2
<b>L</b>	3	3	3
<b>Total</b>	9	9	9

## 8.2 Summary of Test Results

<b><i>Criteria</i></b>	<b><i>Yes/No</i></b>
<b>%100 of test cases were achieved</b>	Yes
<b>Over %95 of test cases terminated</b>	Yes
<b>Over %95 of High and Medium Priority test cases achieved</b>	Yes
<b>No high priority or serious errors are noticeable</b>	Yes



