

# MOBILE PROGRAMMING PROJECT REPORT

## CITY TOUR

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### **1.SUMMARY**

The aim of my project is to support individuals who are visiting any city for the first time or constantly how they can spend their time in the city more meaningfully, more fully, better. The more meaningful the person who uses the application can spend their time in the city, the more the project will achieve its goal. The target audience of my project is all age groups. It is suitable for every individual who goes to a different city. The scope of the application is to be able to help people from a completely bona fide point of view. Each individual is to help when exploring a different city. The programming structure used is Flutter. The application is designed and programmed entirely with the logic of a personal assistant.

### **2.ENTRY (DETAILED PROBLEM DEFINITION)**

The application is open to all age groups. My goal is very clear. I felt the need to develop such an application in order to be able to cure a problem that I had seen before in myself and the people around me. The application provides the user with a beautiful and simple interface to quickly Dec the person to their goal in a way that is suitable for the purpose of entering the applicationThe layout of the pages, and the buttons that allow you to switch between them, are very clear and decipherable.

### **3.SYSTEM REQUIREMENTS**

My app requirements:

- Location of city.
- Location of restaurants and accommodation.
- Customer name, surname and location.
- Log in and register for customer.

Clients:

- Choose popular area.
- Choose restaurants and hotels

#### 4.APPLICATION DEVELOPMENT

The application welcomes us with a Log in screen. There is one application photo, one login button, one registration button on the login screen. The person must first enter their information from the registration button and register in the application. Then he should return to the Log in page, enter his information and press the “Log In” button.

A simple 2-page List Builder greets the user on the home screen. From here, they can switch to the “Home Page” when the person clicks the button.

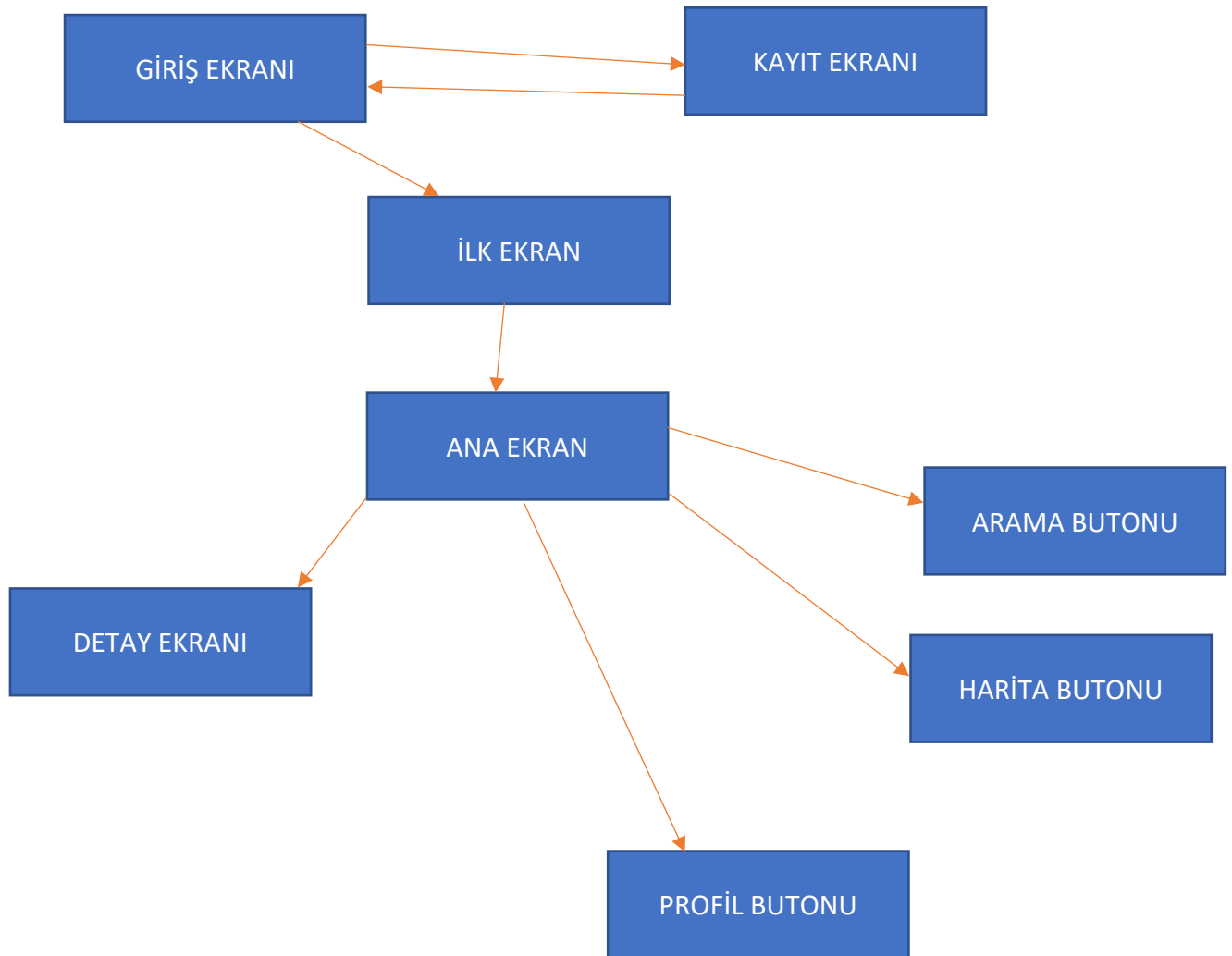
When the transition to the main page is made, the person will meet the profile button with the quad bar, hotels and restaurants section at the bottom, and the back button. I used two profile buttons because I wanted to create an alternative for switching to the profile and allow the contact to make their immediate transactions faster. On the main page, the back button switches to the “home screen” page. There are pictures and comments section for hotels and restaurants. New comments can be made from comments and old comments will appear. On the right side of the comment, it appears which venue was commented on.

All hotels and restaurants in the application can be searched using the “Search” button located at the bottom bar Dec

With the “Map” button located on the bottom bar, the user can see his location.

He can see his personal information using the “Profile” button located in the lower bar.




By pressing the button located in the middle of the main page, information about the contents of the selected hotel or restaurant can be obtained. On this page there is the location of the hotel or restaurant, its price, the average of the stars it receives, how many people to visit, its description, the like button and the booking button.



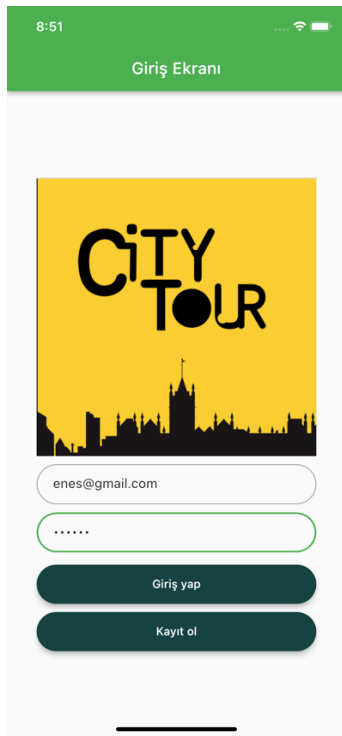
## GRAPH: INTERACTIONS AND CONNECTIONS

### 5.DATABASE TABLES

I have created a database using firebase. I have enabled people to log in to the application using only their email addresses and passwords.

<div><div><div><div></div></div><div>Search by email address, phone number, or user UID</div></div><div><div>Add user</div><div><div></div><div></div></div></div></div>				
Identifier	Providers	Created ↓	Signed In	User UID
eren@gmail.com		Jun 17, 2022		fHIA7SjGEuhpbJHOVIhe2feqVoq2
enes@gmail.com		Jun 17, 2022		WLwqPWXqy8dTEBn9sbUqUW00...
helen@gmail.com		Jun 17, 2022		d88SCcdVENgVAkirBgZiONLsFX83
<div>Rows per page: 50 <div></div> 1 – 3 of 3 <div><div></div><div></div></div></div>				

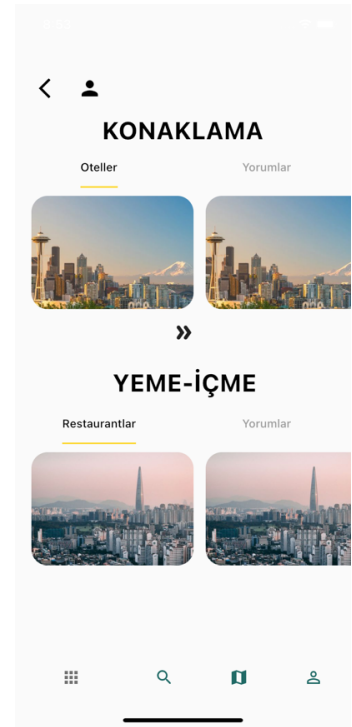
#### 4. SCREENSHOTS (OUTPUT SCREENS)



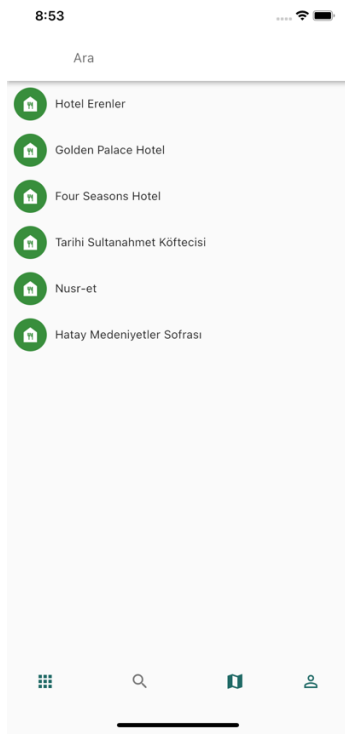
LOGIN SCREEN



HOME SCREEN



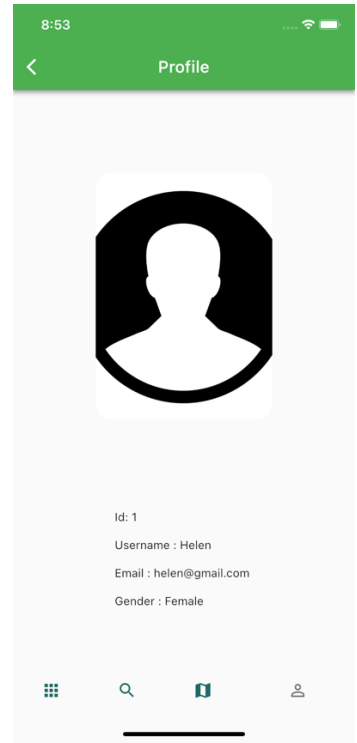
MAIN SCREEN



SEARCH SCREEN



MAP SCREEN



PROFILE SCREEN



DETAILS SCREEN

**NOT: ALL THE CODES WERE WRITTEN IN THE MAP SECTION, BUT I GOT AN ERROR THAT I DIDN'T UNDERSTAND THE REASON FOR AND COULDN'T SOLVE. THAT'S WHY I COULDN'T GET A RESULT IN THE MAP SECTION. THE CODES ARE AVAILABLE ON MY GITHUB ACCOUNT..**

## **5. SONUÇ**

The application I developed has achieved its goal. Because it has been a simple, straightforward, simple application. We can further improve the application I have made. After meeting with experts during the project process, I tried to make sure that each step of my application that I made was more understandable, simple and clear.