

2023

# PROGRESS REPORT



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# 1. INTRODUCTION

In today's

Based on the abundance of demand in the stores and the difficulty of finding the appropriate table among the customers, going up to the second floor and searching again at a suitable table, and in the absence of something suitable for the customer, he starts to go down and search, and then ask about the table and the appropriate number of chairs, and then the task of choosing the menu begins in accordance with the rest of the individuals. Hence, we conclude that customers spent a long time on details that may facilitate their existence and implementation in an application.

Through this problem, we suggested and deduced the appropriate solution, which is the "Cafe booking" application, an application that helps and facilitates customers in choosing the appropriate table, booking it, viewing the menu of the chosen coffee, and then the stage of payment to confirm and approve the order away from the waiter's presence, all they have to do is download the application in their hands and solve all the problems aforementioned.

It is necessary to think carefully about who is a user and how to involve users in the design process. Obviously users are the people who will use the final product or artifact to accomplish a task or goal. process focus on the user and create products that are aligned with user expectations. The fundamental principle of user-centered design is that if you gather data from users and incorporate your findings into product design, you are more likely to create products that people will like. Here appears our need for ux and ui to implement solutions to our problem, as we will explain in the upcoming titles.

## 2. DEFINE OF USABILITY & USER EXPERIENCE GOALS.

### 2.1 Define of usability goals.

Usability is a measure of how well a specific user in a specific context can use a design to achieve a defined goal effectively, efficiently and satisfactorily. Usability is about human behavior. It recognizes that humans are lazy, get emotional, are not interested in putting a lot of effort into process. Since usability is one of the most important steps to design the "Cafe booking" application, it must include the most prominent steps, which are: Effective to use, Have good utility and Easy to learn.

#### No. 01 —

#### **Effective to use**

effectiveness is a measure of how well the app does what it is designed to do. We consider the app that we design to be effective if users can; easily find the information they seek like which the near cafes available in the app based on their location, Customers can easily complete reserve the appropriate table for customers before their arrival, and app effectiveness is measured by its ability to do what it should do.

#### No. 02 —

#### **Have good utility**

The very important step of usability is utility. The application should include a utility and answer all questions that may cause problems such as: Does it have a purpose that the user accepts? (In short, the product must not be a solution in search of a problem but rather one that solves an established problem the user is looking to solve) In the "Cafe booking" application, we decided that this step should interact with the reservation method and the barcode, and also in terms of distinguished customers. A discount for the distinguished and frequent customers and offer hospitality before their arrival.

#### No. 03 —

#### **Easy to learn**

easy to learn is a basic concept that describes how easily users can use the app and start their journey on it until they finished with understand the concept. We have worked to facilitate the journey for them, and because we include all age groups, ease must be available, such as adding the search feature and clarifying the advantages of the available cafes.

## **2.2 Define of user experience goals.**

User experience goals are a choice we make as a team about what kind of experience we want our users to have. We use these choices to measure and guide the design of our app. Goals let us know when our tasks are complete, so we can move on to something else. They keep us from obsessing over the wrong details and help us direct our energies to what's important. Goals tell us what to measure and what to ignore.

In terms of user experience in the "Cafe Booking" application, we review the user after logging into the application, the available cafes around, and when users choose a specific cafe, a page will appear showing the available tables in the cafe. For him, he explained each table, how much is enough for a person, and whether the café consists of two floors or one floor, and all the details that concern the users so that they can determine what suits them.

When users choose their appropriate table to book, they can choose the cafe menu which contains hot and cold drinks, and we can add the Desserts feature, so they can choose what will be prepared at their table at the exact time and date.

We all love to bring joy to the face of our loved ones, with the 'Cafe Booking' app users can set a specific time and alert the app that the reservation is for someone else to celebrate as soon as they arrive.

When users complete their table and drink reservation, they are issued a barcode, which they show when they arrive at the relevant coffee shop until the order is confirmed.

Here we mention the focused and intended aims of the "Café Reservation" application: fun, useful and motivating.

No. 01 –

### **enjoyable**

The idea of our application has a type of enjoyable, such as the possibility of booking a table for a specific occasion for a specific person and preparing his table without coming to the café and agreeing on all the details, so here we prepare enjoyable goal, which is preparing a surprise by the customer for another person.

No. 02 –

### **helpful**

The goal of helpful is the most important goal because originally the creation of the application depends on being a helpful in and distinctive in its kind in terms of that it shortens the time for customers to understand any table that suits them in the chosen cafes and also the menu displayed to suit them and the ease of displaying all services without resorting to going to the cafes and inquiring or searching for a table. We are clearly achieving this goal and this is what will attract our users.

No. 03 –

### **motivating**

We may have competing applications in the labour market, but what distinguishes the “Cafe booking” application is that it motivates its users and takes into account their feelings under the points feature. Points are an incentive to make users repeat the request and return it through our application. If a user requests more than 6 requests, they will be allowed to choose one type of coffee for free, and it is considered hospitality for them and it will be ready as soon as they reaches the cafe.

## 3. THE DESIGN REQUIREMENTS .

### 3.1 Functional requirements

#### 3.1.1 User requirements

- 1) The users can sign up and log into the system
- 2) The user can view the 1st floor and the 2nd floor with the table
- 3) The users can view all the tables that are available in the cafe and select one.
- 4) The user can view all the drinks with 2 Types: hot and cold selection of drinks.
- 5) For each drink, There is a definition of the drink and its evaluation by previous users, and it is possible to increase the number of the drink and choose the size of the drink.
- 6) The users can prepare a surprise for another person and choose it through the application.
- 7) The users can confirm their reservation after payment.
- 8) The users can view their order page and remove any items.
- 9) The users can view their points after each reservation and request through the application.
- 10) When the points are completed, the user can get a free drink as hospitality from the coffee.
- 11) The users can view the barcode of their reservation and show it upon arrival at the selected cafe.
- 12) The users can view their personal page and modify the entered data.

### **3.2 Non-Functional requirements**

#### **1) Security and privacy:**

The system can be accessed by authorized users only, and store the hash of the password so that the system never knows what is the actual password.

#### **2) Usability**

The system should be easy to use.

#### **3) Availability:**

the system should be available for use all the time.

#### **4) Reliability:**

the system should perform the required functions without failure.

#### **5) Maintainability:**

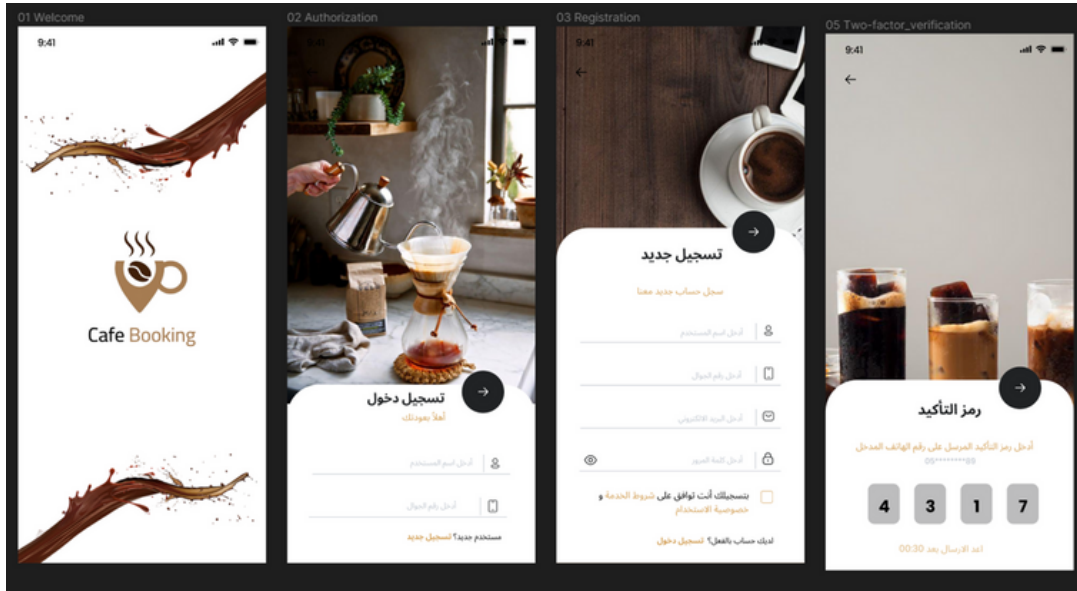
The system should be easy to change, improve, and maintain.

#### **6) Performance:**

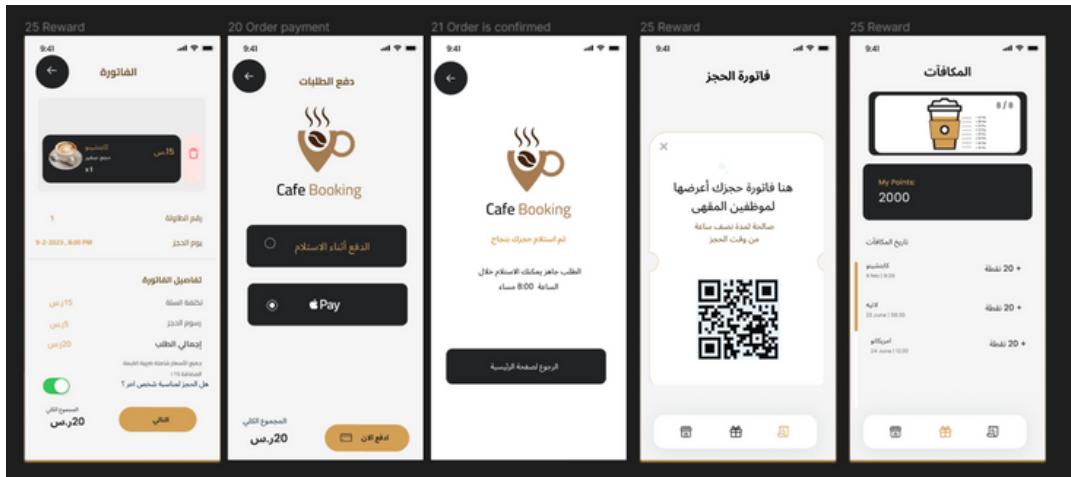
The system should have a low response time



# PROTOTYPE



# PROTOTYPE



# ALTERNATIVE :

Android Large - 5

3:56

Coffee

دخول

هل نسيت كلمة المرور

تسجيل دخول لأول مرة

Android Large - 15

3:56

الاسم:

هديل يوسف

البريد الالكتروني

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الجنس:

أنثى

دخول

تسجيل دخول

أهلاً بعودتك

أدخل رقم الجوال

أدخل كلمة المرور

نسيت كلمة المرور؟

مستخدم جديد؟ تسجيل جديد

# EVALUATION :

**We are evaluating the prototype of the Book Café app design for a group of people to see what their needs are and how well the app will achieve the expected success and usefulness.**

**Through data technology (interview and observation), it was specifically chosen so that we can communicate face to face with users, know the details accurately, and note if there is any difficulty in understanding and functions of the program**

**We got the most important information from her The utility of the application and its new idea that saves a lot of time and effort at the present time and solve problems and we measured the extent of users' satisfaction with the initial design of the application and the new and various functions such as they can surprise someone and they can choose the appropriate schedule at the right time and this was a strong motivation to continue implementing the application as soon as possible possible time available**

# CONCLUSION

In the end, we can say that currently, with the existence of modern technology and the community's love for everything that is technical, the existence of the "Cafe booking" application will serve a large group and solve current problems on the part of the customer and on the part of cafe officials as well.

# REFERENCES

[1] [HTTPS://WWW.CLEANPNG.COM/](https://www.cleanpng.com/)

[2] [HTTPS://WWW.FLATICON.COM/](https://www.flaticon.com/)

[3] <https://www.figma.com/file/rh3PUewyecARQLPzyvAi00/Cafe-Booking?node-id=0%3A1&t=2SF8DbwtSJPNMsG3-l>

[4] <https://www.interaction-design.org/literature/topics/ux-design>