BUSINESS ANALYSIS DOCUMENT FOR HOSPITAL MOBILE APPLICATION  
 (Meditopia)

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**Index:**

|  |  |
| --- | --- |
| **Main Title,** | **Page no,** |
| **Introduction** | **3** |
| **Discussions with the customer** | **3** |
| **product Overview** | **4** |
| **features conditions** | **5** |
| **features of the application** | **6** |
| **Screens design and description** | **7** |
| **Added new (1) sign up** | **12** |
| **Final additions** | **13** |

**1.** **Introduction**:  
The project will be an application for a private hospital through which the user can make an appointment, see the special facilities of the hospital, the services it provides, the doctors working in it, and the user can create his/her own account.

**2. Discussions with the customer:**

After meeting with a presenter from New York-Prsbyteran hospital for discussing the matter about mobile application for the hospital the following has been achieved:

The customer needed application or website for their hospital for the coming patients to be able to make appointments and know about the hospital's doctors and facilities.

Firstly, we discussed the nature of the software that is going to be used, they thought there were no difference between web applications and mobile applications and it is all the same, after some explanations and discussions we concluded that the best way for doing the project is to be a **mobile application** because:  
*- The target group is most likely to use a cellphone when they need to check about the hospital and take appointments.*  
- *Based on some research the target group in the area prefers using mobiles (specifically iPhone IOS).*  
-*Based on the* *customer’s budget, for now, is to make the project on one platform.*

Non-functional requirements (requirements that have been rescinded after discussing):  
- Map that tracks the patients inside the hospital (reasons for not applying: there are no mobile network signals in some sections of the hospital and the signals from the phones may corrupt the medical machines in some sections that the patients may enter)  
- Patient's medical history (reasons for not applying: because of the fact that the hospital is private it will be difficult and extremely pricy to obtain the necessary licenses for this.)

**3. product Overview**

After that, we began the discussions about the details of what should the application look like and the initial features in need:

-**Home page**:

*Must include two blocks*:

- Section that has a photo slider and button in the middle says "take appointment" to take the user to the appointment page.  
- Section for FQA that shows slider of blocks containing frequently questioned answers.

- **Doctors page**:  
- Multiple blocks styled sections containing the medical staff of the hospital.

- **support page**:  
- Containing the contact info, hotline of the hospital especially, and form to send from the user to the hospital.

- **Appointment page:**  
- This page must have Two sections:  
-list of appointments that the user made  
- A form that takes the following information from the user:  
 - name surname.  
 - date of birth.   
 - the department where the patient needs to take the appointment.  
 - appointment date and hour  
 - a list of doctors to choose from.

- **Nav menu**:  
- Menu should contain all the pages.

4. **features conditions**:

- All the information and the content will be provided from the costumer.

-Home page:  
 - 1st section a slider, it needs to have multiple photos about the hospital and the services (at least 3)   
 - The slider should be automatically moving between the photos with time difference 2 sec (the time difference can be modified if needed).  
 - After the slider section comes a button to take the user to the appointment page.  
 - 2nd section will display the FQA as sliders styled as blocks for each item.

-Doctors page:  
 - each item will be shown as block that contain doctors name, specialty, and the department they work in.   
 - items should be shown as alphabetical order.

-Support page:  
 - will display the contact numbers of the hospital.   
 - will have simple form to take the email and the message from the user to deliver the message to the hospital's email:  
 - email (the email form should be valid ex: example@gmail.com).  
 - message (- number of characters for the message under 200).

-Appointment page:   
- user can see last 3 appointment in the 1st section.  
-the user cannot take more than one appointment inside one hour (the user must wait 60 min between the appointments).  
- the user cannot take more than one appointment at the same doctor in the same day (if the user had appointment with doctor X at date Y:dd/mm/yyyy they cannot have another one at the same doctor X with date Y, they can take it on another date).  
-the form will have:  
 - field for name surname the user can fill.  
 - field for date of birth.   
 - a list of all the hospital departments where the user can pick from (will be provided by the data base.).  
 - a list of doctors to choose from (will be provided by the data base.).  
 - list of the available time and date to choose from (will be provided by the data base.).  
 - Conditions for the form:  
 - all the fields must be filled.  
 - number of characters for the name and surname cannot be more than 50.  
 - the age of the user must be valid; the form of the date Day/Month/Year, example: 12/05/1980.  
 - the doctors list should depend on the department the user choose (if the user chooses department X the doctors list should give JUST the doctors that work in the department X).  
- submit button in the end (cannot be clicked if the fields not filled).

-Nav menu:  
 -list of all pages where the user can click on each one to go the page they need.

5. **features of the application**:

- user can know about the facilities of the hospital

- if they wander about something they can check the FQA section while waiting for a response from the hospital.

- they can connect directly from the support page.

- user will expect the response on their email.

- if they wonder about the medical staff, they can check them directly from the Doctors page.

- user can take an appointment easily.

- when taking an appointment, the user can choose the time that suits them.

- they can choose between the available doctors when taking appointments.

- user can see there pending appointments in Appointment page.

- All previous operations can be performed without human interaction.

- the application is mobile so almost everyone can download and get access to it.

- it provides a way for the hospital to automate the appointment taking process.

- user can navigate between pages easily throw the navigation menu.

- the application provides new platform to advertise for the hospital.

Screens INITIAL DESIGNS and description:

You can check the design on Figma by the link: <https://www.figma.com/file/cJnYsH0DeBsZuxg5pIklNT/Untitled?node-id=0%3A1>

Home:

**when clicking on this icon is going to take the user to the nav menu**

Graphical user interface, text, application, chat or text message

Description automatically generated

in this FQA section, the user can slide to see the questions

this button is going to take the user to the appointment page

when clicking on arrows the slider is going to move to the next or previous image

**this slider going to move automatically**

nav menu:

A picture containing chart

Description automatically generated

when clicking on the X will take the user to home page

when clicking on each page name it will take the user to it

Appointment:

Graphical user interface

Description automatically generated

Will open a list of the available time

Will open a list of the available dates

Will open a list of the available doctors

time

Will open a list of the available departments

to take the date of birth

to take the name and the surname

this block will provide the user with that last 3 appointments

when clicking on the arrow it will take the user to the home page

Support:

when clicking on the arrow it will take the user to the home page

Graphical user interface, application

Description automatically generated

Will show contact information

Will take the email address

Will take the message

Doctors:

A screenshot of a phone

Description automatically generated with medium confidence

Will show the doctors information.

when clicking on the arrow it will take the user to the home page

Added new (1):

**sign up page:**

for this sprint we are going to add sign up page.

The main purpose of this page to take the info of the user (Login page will be done based on this in the next sprint)

Feature description:

When the user opens the app, a simple form will appear to take the user’s info if they want to register for an account, in the bottom of the page will have a submit button and a continue button in order to pursue to the app if the user didn’t want to register.

Feature conditions:

- The 1st field need to get the user’s full name number of characters must be less than 30.

- 2nd field getting the date of birth; the age of the user must be valid: the form of the date Day/Month/Year, example: 12/05/1980.

- 3rd field for the user’s Email: the email form should be valid ex: [example@gmail.com](mailto:example@gmail.com).

- 4th field is the password:   
 \* At least 10 characters (and up to 100 characters)  
 \* 5 or more unique characters.

- 5th field for repeating the password: the characters in this field needs to be the same as the password field.

Screen view: https://www.figma.com/file/cJnYsH0DeBsZuxg5pIklNT/Meditopia?node-id=0%3A1  
Graphical user interface, application

Description automatically generated

to take the repeated password

to take the password

to take the date of birth

to take the date of birth

to take the name and the surname

**Final additions:**

for this sprint, we are going to add a splash page, edit the sign-up page, add Login and add a profile page.

First of all, the splash page:

When a user enters the app, this page will show up, it will have 3 buttons sign up, Login and Continue to the app.

A screenshot of a phone

Description automatically generated with low confidence

It will navigate to the sign-up page

It will navigate to the Login page

It will navigate to the app

edit the sign-up page:

we are going to remove the “continue to the app button” it no longer needed.

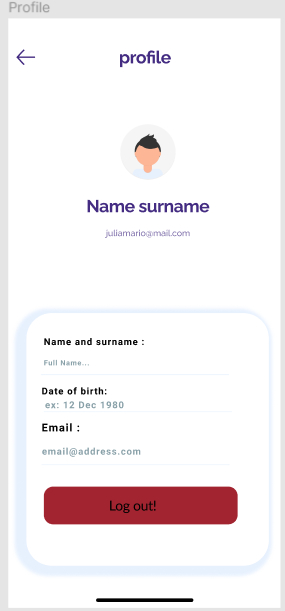
Graphical user interface

Description automatically generated

profile page:

this page is to show user info, at 1st section the name and surname, email, and a 2nd section to show full info name surname, date of birth, and email, then a Log out button.

If the user presses the logout button it should logout and redirect the user to login page.



It need to show the Name surname and email

It need to show Name surname

It need to show Date of birth

It need to show email

When clicking on it:  
 will Log out and redirect the user to the Login page.

Login page:  
This page should have simple form to take the email and password, login button and finally a sign-up string.

When filling the form correctly pressing the login button it should login the user to their account.

Graphical user interface

Description automatically generated

Sign Up

Log in button

password

email