MONASH University

FIT5032 Design Report

eMindSpot

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1. **Overview**

eMindSpot is a website where patients suffering from mental stress and disorders can come in contact with a counselor, and discuss his problems. This website is specially designed for the youth of this generation, as they are the main targets of such mental harassments these days.

The site functions as discussed now. A patient logs on to the website and fills in his details along with other details about what he is going through. The patient can then view the list of counselors in the nearby suburbs, and then book appointments with the doctor as per their convenience. The patients can also view and cancel their appointments. Apart from that, the patient can view the locations of the counselors on the map. The counselor can also be in touch with the patients, by contacting them via email.

The features of this application are:

- Authentication + External API: The website asks for authentication by entering the username and password before going any further in the website.
- Role-based Grant access: Different people get different access permissions in the website. The access permissions will be different for the counselor and the patient.
- Validation for user input fields: There are validation checks set for the fields. For eg: email id should be valid, date should be a later or previous date as per needed.
- Interactive table showing patient's bookings with consultants: A table that has the data of all the patients booking time with the consultants.
- Display counselor locations on Maps.
- Sending email from consultant to patient.

2. **User stories**

Counselor

As a Counselor, I want to communicate i.e to send emails to patients so that I can follow up on the patients I consulted.

As a Counselor, I want to view all the bookings and make changes to them so that I do not miss any appointments with my patients.

Admin

As an Admin I want to add a new Counselor to the application so that Patients can visit the counselor for getting their one on one sessions.

Patient

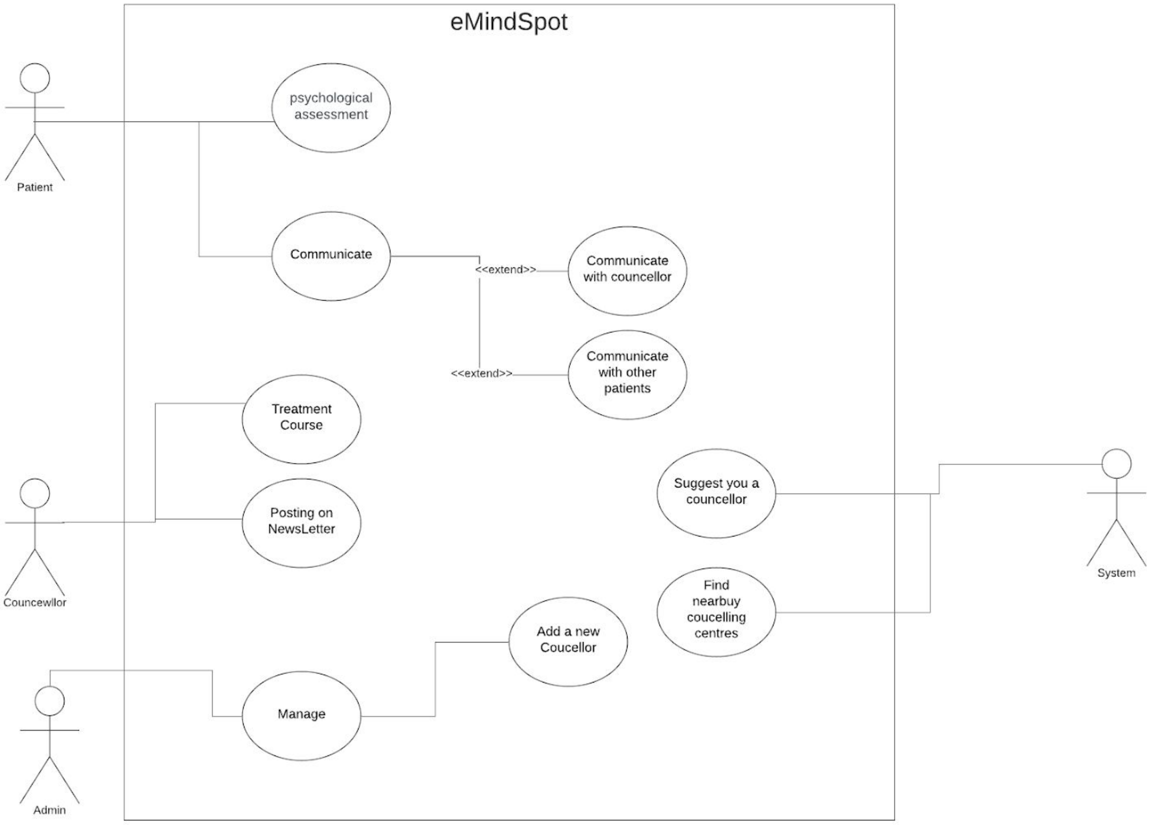
As a patient, I want to express my Mental problems so that I can consult the appropriate Doctor.

As a patient, I want to book and make changes to appointments with the counselor so that I can visit the counselor at his available time and talk to him about my problems.

As a patient, I want to view the counselors on the map so that I can get to know their exact location and be able to meet them.

3. **Functional diagram**

Use Case diagram

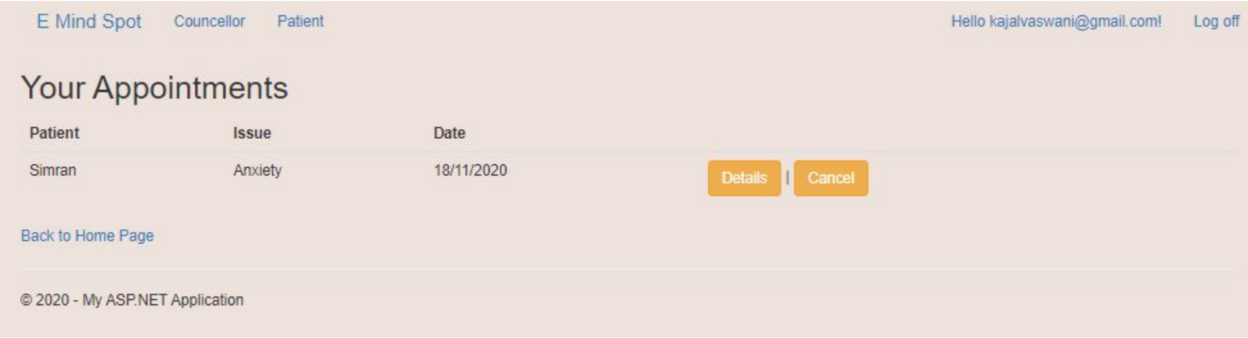


4. **Usability Design Review**

Flow Bohl usability principle

These rules will be used for concepts and designs.

Navigation - The website should be made in a way that it is easy for the users to navigate from one screen to the other. eMindspot has the ease of navigation and the user can very easily get where he wants to. The button colour and messages shown in the screenshot below make it easy for the user to navigate with ease.



Your Appointments

Patient	Issue	Date
Simran	Anxiety	18/11/2020

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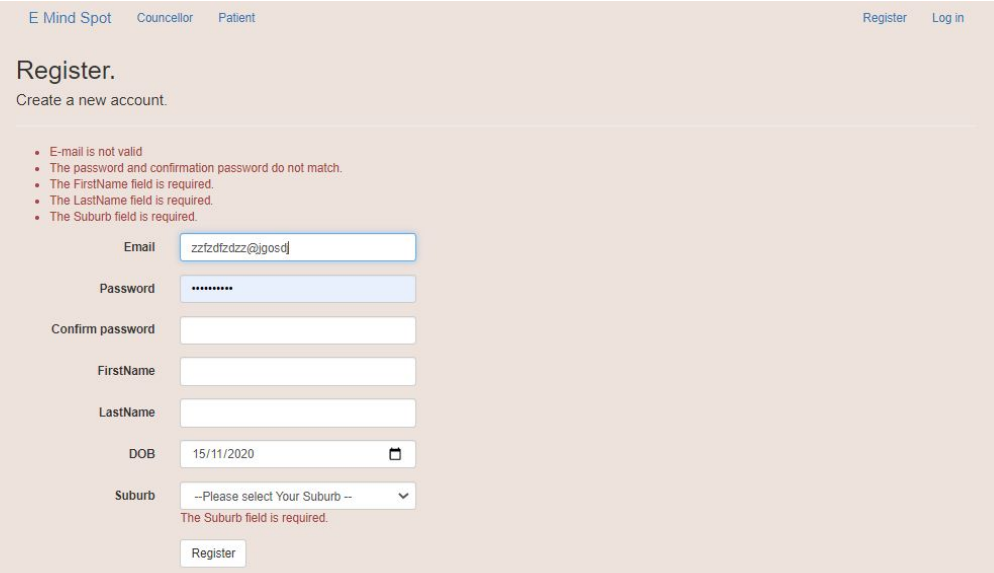
Familiarity - The UI should appear familiar to the user, which he can easily understand and be comfortable with. eMindspot has a very simple UI which a person of any age can easily understand and feel comfortable to use.

Consistency - The UI for every part of the website should be consistent, in order to avoid confusion and create a user-friendly experience. The fonts should be the same throughout the website, the ways to go back or forward in a website should be the same. eMindspot has a consistent UI.

Error Prevention - The UI should be designed in a way that it detects the wrong button press or any other error and recover from it. eMindspot has error prevention and validation as shown in the screenshot below:



Register.

Create a new account.

- E-mail is not valid
- The password and confirmation password do not match.
- The FirstName field is required.
- The LastName field is required.
- The Suburb field is required.

Email	zzfzdfzdzz@jgosd
Password	••••••••••
Confirm password	
FirstName	
LastName	
DOB	15/11/2020
Suburb	--Please select Your Suburb -- The Suburb field is required.

Feedback - The website should have a feedback mechanism for improved user performance. Feedback can be anything such as an alert on the device, or dialogs appearing on the screen, success or error messages, etc.

Visual Clarity - The UI should be simplistic and clear in its view. The user should not get confused when looking at the UI, and should get an exact understanding of how the website works.

5. Checklist of site functionality

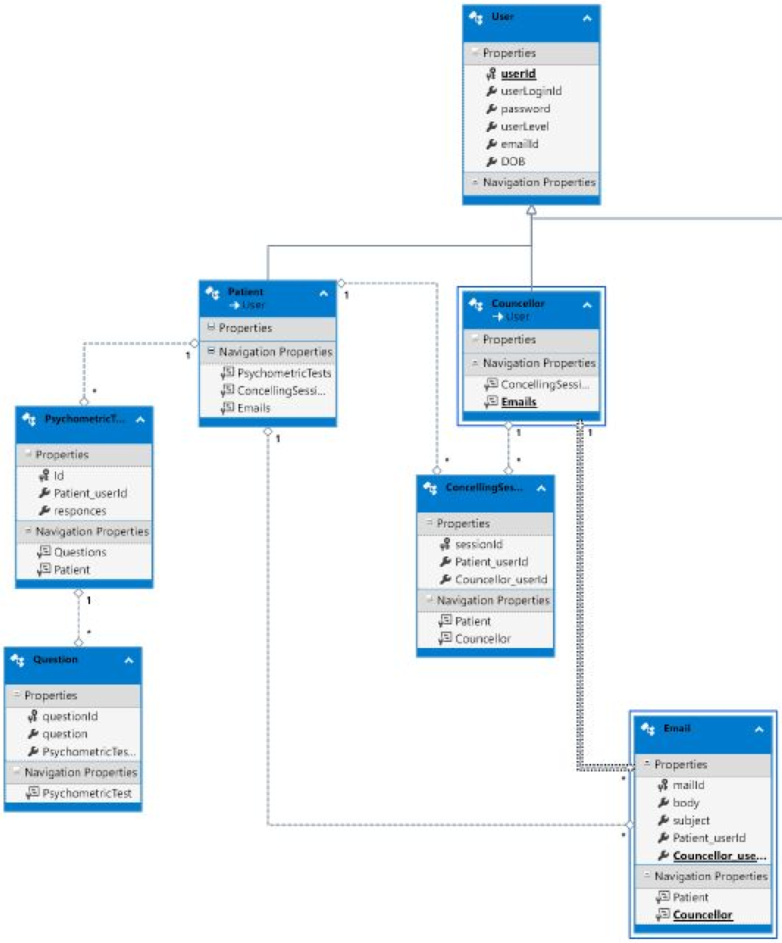
1. (Layout Page)	**TICK if complete**
Good Design	**DONE**
Stylesheet	**DONE**
JavaScript	**DONE**
Menu	**DONE**
2. (Home page)	
Design and content	**DONE**
Banner Image	**DONE**
3. (User Log in)	**DONE**
Web form and validation controls	**DONE**
Formatted data entry display	**DONE**
Overall page design	**DONE**
4. (Customised Views and Controllers)	**DONE**
Customised Views	**DONE**
Customised Controllers	**DONE**
Other customisations	**DONE**
5. (Documentation)	
Code Comments	**Partially done**
Attribution of Source of any code used	**DONE**
6 Business Requirements	
BR(A1): for C to C+	**DONE**
BR(A2): for C to C+	**DONE**
BR(B1): for C to C+	**DONE**
BR(B2): for C to C+	**DONE**
BR(C1): for C+ to C++	**DONE**
BR(C2): for C+ to C++	**DONE**
BR(C3): for C+ to C++	**DONE**
BR(D1): for D to D++	**DONE**

BR(D2): for D to D++	**DONE**
BR(D3): for D to D++	**DONE**
BR(D4): for D to D++	**DONE**
BR(E1): for HD to HD+	
BR(E2): for HD to HD+	
BR(E3): for HD to HD+	
BR(E4): for HD to HD+	
BR(E5): for HD to HD+	
Audit	
No breaking of copyright	**DONE**

6. **Your selected approach when constructing the application.**

   Model First- Creating a Database, Model, and View from Class Diagram.

7. **Class Diagram or Entity Relation Diagram**



8. Data dictionary

Entity

Patient

Id nvarchar, FirstName nvarchar, LastName nvarchar, EmailId nvarchar, DOB datetime, patientId int, SuburbId int

Consultant

consultantId int, Id nvarchar, FirstName nvarchar, LastName nvarchar, SuburbId int, EmailId nvarchar

Appointment

Id int, PatientId nvarchar, DoctorId nvarchar, Date datetime, Details nvarchar

Location

Id int, postcode int, suburb nvarchar, state nvarchar, latitude decimal, longitude decimal

9. Development Methodology

The development Methodology used will be Code and fix.

After the initial planning, I will start developing the website, and keep fixing the errors as they occur. This will continue till the end of the project.

10. Versioning

I will be using GitHub Repo, the link for which is mentioned below:

https://github.com/simranv029/FIT5032AssignmentPortfolio