SCSV 2113

HUMAN COMPUTER INTERACTION

(Session 2018/2019 Semester 1)

School of Computing
Universiti Teknologi Malaysia

P1 – PROJECT PROPOSAL

[UTM MediSystem]

LECTURER

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(Section 02)

GROUP NO. 5 (HalfLife3Confirmed)

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Brief

A hospital is a health care institution providing patient treatment with specialized medical and nursing staff and medical equipment. The best-known type of hospital is the general hospital, which typically has an emergency department to treat urgent health problems ranging from fire and accident victims to a heart attack. For our project we will be focusing on the Pusat Kesihatan Universiti(UTM health centre) . Universiti Teknologi Malaysia (UTM) Health Center was established in 1972 to provide medical care and health facilities to ensure the health and well-being of society at the University and surrounding areas. The unit is managed by four medical doctors, a dentist and several other support staff and assisted by a trained clinical staff.

The aim of this unit is to create a healthy university community physically, mentally and socially. Apart from medical and dental care, this unit is also involved directly or indirectly in disease control and promotion of community health campus.

Problem

1. Many students and university staff will fall sick in their time here. Each time they will resort to go the university health center to get their prescribed medicine to help them recover from their illness. But in this stressful lifestyle, the students and staff commonly forget to take their medicine on time. Sometimes, they overtake or undertake their prescribed medicine which will resort the decrease their recovery process from that illness. This might also lead to other side affects for over or undertaking of their medicine. The students and staff need a way to give them a reminder to avoid skipping their medicine intake or to take the correct amount of medicine for their maximum effectiveness.

2. The university health center does have a queue system that they are using for many years. The problem with that queue system , usually there will always be a lot of people in the university health care center which makes a very long queue. Most of the students and staff would have the same schedule which makes majority of them having the same break time in between classes and lectures. And the students an staff have a very limited amount of time to go to the health care center which is always packed. This results in students waiting days or even weeks to go meet the doctor. Many students find it wasting a

lot of time waiting in queue to get a number and waiting for their turn to see the doctor.

3. Being a human being it is very common of getting sick . And almost all the diseases have symptoms and a period where the patient feels that he/she might fall sick.

4. Going to the hospital and getting lost is very common plus in time of emergency people hardly gets time to think which hospital is specialist for which one as well as getting the directions.

Users

Our target audience for this application would be anyone who wants to seek medical attention from the doctor for their medical illness or disease. Our primary target are the students and the staff of the university. Our secondary target are people coming from outside the university to seek medical attention.

Solution

For being a part of corporate world we , each and every person has something to do. Suppose a student is studying so that using that knowledge he/she can put up something that might change the world or a player who plays for a country or a doctor who serves the nation day-night. Talking about doctors, we all know how busy schedule they have, they can not even use the public holidays like us . If a person visits a hospital he/she might observe how much busy days the doctors or
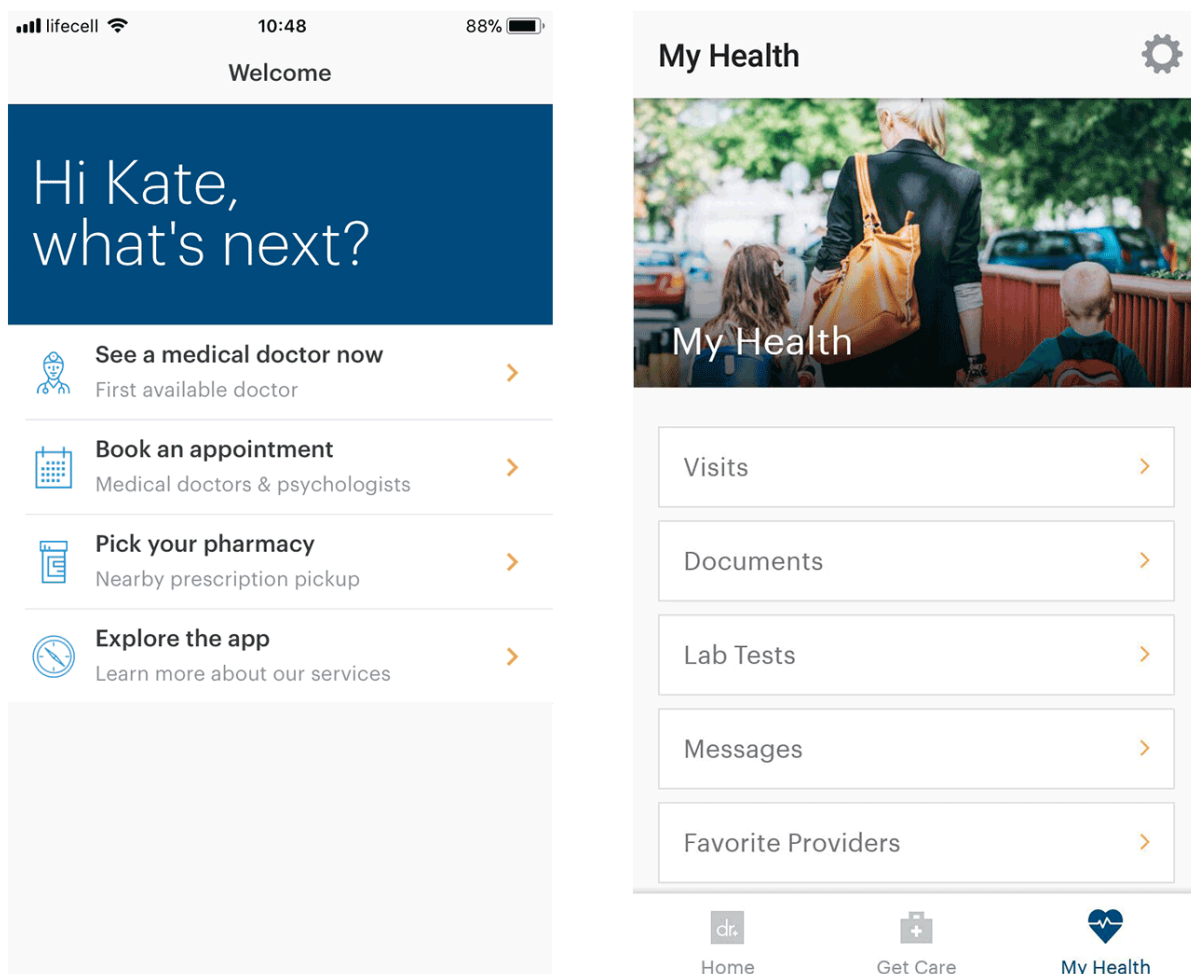
the nurses spend. And the above issues are relating to doctors and nurses in a major part. However to solve our issues , we propose a smart application "medicare" an

application that is incredibly easy and convenient to use. After registering and entering your personal data, you can create a list of all the medications you take throughout the day. If the medicament is not in the database, you can enter the data manually, thus saving all the necessary information about the medicament and creating a reminder. There is a long list of symptoms and activities that you can choose from when you are to report in detail how you feel and what you do during a day. You can also be reminded to describe how you feel after taking a medicament and save this information for later to review with your doctor. People can interact with the persons who are into medical services.

1. Will have a notification system where people can get notifications. (i.e. what time patient have to take the specific medicine, how long will have to continue, prescribed doctor can check whether the medicine is in good or have to change and notify) .
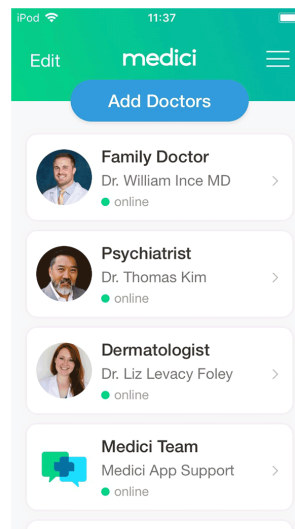
2. Will include queue reminder, in hospital when is the patients serial will be called, how many minutes or hours left.

3. Will include a big database of symptoms as well fitness tracker. Nowadays fitness band is getting very popular and trendy so with the access of it we can easily track the disease the patient is having or

- Abrasions
- Acne
- Allergies
- Anxiety
- Asthma
- Bacterial Vaginosis
- Bites and Stings
- Body Aches
- Bronchitis
- Bruises
- Cough
- Dehydration
- Diarrhea
- Earache
  (without antibiotic treatment)
- Fever
- Flu
- Frostbite
- Gout
- Headaches
- Hives

- Nausea
- Pink Eye
- Respiratory Infections
- Sexually Transmitted
  Infections
- Sinus Infections
- Sinus Symptoms
- Skin Infections
- Sore Throat
- Sprains and Strains
- Travel Medications
- Urinary Tract Infections
- Vomiting
- Yeast Infections
- Insomnia
- Itchy Eyes
- Lice
- Migraines
- Mild Lacerations
- Nasal Congestion

a precaution can also be done.

4. Including an access to the maps and only for hospital purposes, (i.e. which doctor sits where, nearest hospital and so on). Can also be helpful for medicine delivery .

Roles and Tasks

Nazmus Sakib will be the designer.

Mohana Raj will be the business analyst.

Wa'ad Shaher will take the role of software engineer.

Miraj Ahmed will be the project manager.