

SOFTWARE ENGINEERING

Section: A Group: 04

Title: Medi-Care.

Description:

Modern days healthcare facilities get so many improvements. But in our county, many people can't take proper treatment for their health problems, especially in rural areas, people don't know how to get treatment from hospitals and don't know which would take better health care in their nearby hospital. Sometimes they get financial problems after the appointment at the hospital without proper knowing the total cost. Many people don't know the diagnostic cost and where would be best for their nearest area. Sometimes they don't know which doctor would be best for them and their proper appointment time and doctor's fee in their nearest area. Using our software, they will know which hospital is better at curing diseases they will know the cost and the number of cabins available, and also, they know the location of the hospital. They will get the best Doctor and Diagnostic Centres in their nearby area.

Problem and Solution:

This project will solve the patient's finding hospitals for their treatment. Many patients can't find a proper hospital for their particular disease. Sometimes they go to the hospital for their treatment but they later find out they don't have any facilities for some diseases. So, the patient got hassle and lost a lot of important time. Even if they found a hospital, they also face the problems of high price cabins or low-treatment facilities. Many people don't know the diagnostic cost and where would be best for their nearest area. Many people think only Dhaka would provide all the tests. Because of that, they lose valuable time and cost after coming to Dhaka. Many people don't know which doctor would be best for them and their proper appointment time and doctor's fee in their nearest area. So, we are building a solution where the patient can easily find their particular hospital, doctor, and diagnostic centers.

Objective:

1. Reducing patient treatment costs.
2. The patient can know in advance which hospital he will get the best service.
3. Hospitals can also compare themselves with other hospitals and improve their service quality.
4. Patients can check the availability of hospital cabins online and book them.
5. Patients can tell their symptoms and know the name of their possible disease and which hospital near their home is offering the best treatment for that disease at the lowest cost.
6. Patients find Doctors and appoint them and know the total fee and appointment time.
7. Patients find a Diagnostic center and appoint them and know the total cost of the test.

Target User:

Patients are our primary target users. So, patients will get the most benefit from this project and they easily use our software to find hospitals.

Functionalities:

1. This software allows the patient to select their location, disease or symptoms, and current condition. Then they will see a list of hospitals, doctors, and diagnostic centers in their location based on distance, road cost, medical test cost, and doctor's fee, cabin cost, medicine cost.
2. Patients can see their Hospital rating by the success of that disease. And they also see a list of doctors for that disease and fees and the number of current patients. And the best diagnostic center in their location and test cost.
3. Then the patient can see the available cabin, appointment time and test, and price.
4. Patient gives his/her information.
5. After that patients can appoint a doctor and book cabins online using our software.
6. Patients can also pay partially using this optional software.

Diagram of our project

