

EZ-Health

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The rest will be updated on 11/19 along with the user manual -Anna

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1.0 Objective

EZ-Health was designed to aid the doctor-patient relationship when receiving and accessing medical information and making it accessible to those who are unfamiliar with medical jargon. The purpose of this document is to display the creation process of this application and how to use it.

2.0 Problem Statement

2.1 Problem

The difficulty and usability issues of modern patient-facing health applications have been well documented. The caveat of these systems is that there are no viable alternatives to medical software that prioritize the patient's experience and understanding of their own medical information. Miscommunication with doctors and caregivers after appointments can lead to patient confusion. Online patient portals are difficult to use and are typically eyesores that are overwhelming to navigate even for tech-savvy patients.

2.2 Solution

The aim of our project is to create a web application to streamline the user interface in order to serve the patient a more user-friendly approach to healthcare

documentation with a focus in UI/UX design, providing information in a format that the patient can easily understand. Utilizing simple, straightforward language and visuals in online documentation will provide a more user-friendly solution to the current standard of patient portals.

2.3 Client

Our target client will at first be local healthcare practices and then we would like to expand across the country. Our stakeholders include those that will be using this system like doctors and patients.

2.4 Users

Our primary users will be doctors, healthcare professionals, and patients. As long as the user is able to access the internet they will be able to access the website.

2.5 Client Constraints

Due to protection of privacy, only doctors and a patient's medical team can access a patient's medical information. A doctor will have a list of patients and can view each individually. The application itself is only accessible through an internet browser. It is recommended to use a laptop or a PC instead of a mobile device to access the website.

3.0 Elicitation Plan and Results

Our plan involves meeting with a former medical professional in order to discuss system requirements and application functionality. We have created interview questions for our medical professionals. We also have personal connections to a few medical professionals at Cleveland Clinic who have given advice.

4.0 Usage Scenarios

There are two main types of users: patients and doctors. In order to use the application the user must access the website.

4.1 Patient

The patient will be able to access the homepage, login, create and view a user profile, log symptoms, ask a chatbox questions, and also submit support tickets.

4.2 Doctor

The doctor/ medical professional will be able to access the homepage, login, create and view their profile, view their patient's profiles, add symptoms, upload a patient's medical information and notes, log a patient's symptoms, and submit support tickets.

5.0 User Interfaces

This is the primary way our users will interact with our application.

5.1 Website

We have created a website in order to use our application. It is accessible to any device with an internet browser and a stable connection. We recommend viewing the application on a laptop or a PC rather than a mobile device.

5.2 Menu and Website Navigation

There is a drop down menu in the upper left corner of each webpage in order to ensure easy and quick navigation between all of the different pages of the website.

5.3 Screens

5.3.1 Homepage

This is the page that a user will first land on. It has a brief description of the website's capabilities and there is a button to allow the user to login.

5.3.2 Login

Allows either a patient or a medical professional to login to the application.

5.3.3 Patient Profile

5.3.4 Doctor Profile

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