Programe: Web Application for Clinical Trials

Version: 1.0.0

client: Lakeridge health

date: 23/03/2020



Presented by: Metastasis blockers

Members: Ajay Dubey(Team-lead),

Michael bradley,

Ravish parmar,

eWan Lan,

aarsh soni

PROJECT OVERVIEW:

### The web application is provided to the doctors and patients of Lakeridge health hospital an easy way to get through the clinical research trial questionnaire. The application is going to be a time saver, easy to use and helps understand the questions and the process of clinical trial as well from a patient point of view.

PROJECT SRUCTURE:

### This web application is a non-database web application. The application is made up of HTML, CSS, JavaScript and Json. The application is made user friendly and responsive to different devices using a framework called Foundations.

PROBLEM BENEFITS:

### This web application will eliminate the following issues:

* The application will make the process of clinical trial super easy.
* Save time for doctors, whenever they want to check a patient's eligibility.
* Anyone can go through this clinical trial to know their eligibility.
* It would be a one stop web page to check all the available clinical trials.
* After going through any trial, the result will be handy and easy to print for anyone to be accessible.

PROJECT GUIDLINES:

### The figure below is the landing page (First Page) of the web application. This page would be describing all the ongoing clinical trials available in Lakeridge Health.

A screenshot of a map

Description automatically generated

Image-1

Step 1: Anyone wanting to test the trial would start with selecting on of the options available in the above image.

Step 2: After selecting the suitable the user will be directed to the second page of the application. For example, if you have selected Brest cancer you will see something like this:

A screenshot of a cell phone

Description automatically generated

Image-2

THE NUMBERS IN THE ABOVE FIGURE ARE FOR:

1. It shows the clinical trial selected.
2. Is the information icon. A user can click on the icon and get more information about the option.
3. Is the button to submit the selected option and move to the next question.

Step 3: After answering all the questions of a trial you will come to the last page which will show the end result of the trial, depending upon the answers selected.

Step 4: If the trial ended up with a result as shown in the image below. The user would be able to take a print of result your further needs.

A screenshot of a cell phone

Description automatically generated

Image-3

Step 5: If the trial ended up with no result, the user can exit the application or if the user wishes to take another trial, they can just click the restart button shown in the image above.

TECHNICAL GUIDELINES OF THE PROJECT:

* The application is based on JavaScript and Json data for its functionality.
* The options available on the landing page (first page) of the application are hard coded buttons through HTML. For all the available trials there is one button provided.
* Moving forward to the second page the available options come from data Json depending on which trial was selected by the user on first page.
* And the breadcrumbs (refers to 1) from image 2) in the pages come from the JavaScript code which stores the data which is clicked by the user.
* All the designing and the patterns are coded using CSS code.
* The viewport changes its size according to the device used due to the HTML code embedded in Foundation.
* The printable page is also coded through the HTML code.
* All the data is stored in Json file.
* The information button also comes from JavaScript and the information provided are the strings saved in the form of nodes.

NOTE: As mentioned earlier this web application is a non-database application which works on Json data. So, there would be no storage of the data inputs.

PROJECT EXECUTABLE FILE:

* The main folder name for the web application is 01\_CT.
* Ongoing inside the folder, you will be able to see:

1. background.svg: It is the svg file for the background image of the application.
2. CSS: This folder has the design files (app.css, foundation.css and foundation.min.css).
3. Data: This folder has Json file (nodes.json) which is has all the data used in the web application.
4. Img: This folder holds all the required images which is used in the project.
5. Index.html: This file is the main starting point of the application, the application starts once this file is running a browser.
6. Js: This file has the JavaScript files which are used in the web application. There is app.js file which has all the functionality code used in the application. There is vendor folder also in this folder which has all the files for foundation.
7. ProjectManual.docx: This file is the user manual for the using this web application project.

NOTE: This project works on live server as it is using Json files. Don’t try to test the web application offline on any device.

Disclaimer: This manual is created for Lakeridge Health only for understanding the clinical trial research web application project developed by AJ’S Group.