

# KnowRX Website Project Analysis

Charles Rodgers

IFSC 4396: Capstone I

University of Arkansas at Little Rock

Dr. Elizabeth Pierce and Bruce Bauer

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## **Organization**

This project is being developed for the UALR Capstone I-II course as a requirement for graduation. The academic purpose of this project is to demonstrate proficiency in cumulative course materials over the degree's scope. The website created will abide by all ABET considerations and requirements.

## **Analysis**

KnowRX is a website tailored to senior citizens that allows them to research drug interactions in a clutter-free web space. The ease of use will be in the information displayed and assistance in searching for specific drugs. The information displayed will include generic names for the searched drug and a small description. The assistance provided would be word suggestions with each keystroke. This website will be able to be accessed and usable on modern mobile devices and browsers. The intended audience would be senior citizens, but the site will be designed in a high manner that would allow users of any generation to use it with ease.

## **Current State**

There are currently several websites that can facilitate the purpose of displaying drug interactions, from drug to drug and food to drug. When researching drug interactions the user must discern between a plethora of information thrown at them for their inquiry. The purpose of

KnowRX is to show, initially, a reduced amount of information to alleviate information overload, thus making the site user-friendly.

### **Future State**

KnowRX will be able to display drug interactions with drugs the user has searched. Usability is the main focus of this site. Information will be displayed in a straightforward manner to allow the user to not search for their desired request. KnowRX will be held to standard web standards which require a responsive site that promotes use across all devices.

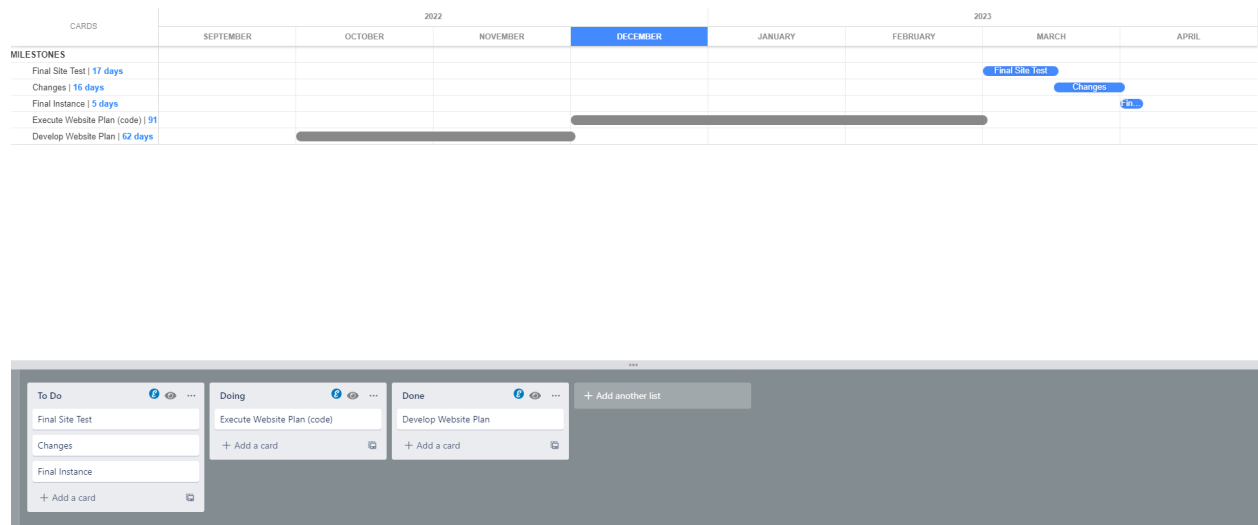
### **Options for Delivery**

This site will be developed with a Bootstrap framework to facilitate API calls from DrugBank. The following tools will be used to develop and maintain the site: HTML, CSS, JavaScript, jQuery, and Ajax. GitHub will host the site's repository to ensure that the site is always accessible. This site is for research purposes only thus the licenses and certifications needed are zero.

No personal information or data will be collected with this site.

Future additions to the site could include top medicare provider drugs, but will not ask/track the users' personal alignment.

## Planning



Develop Website Plan: 10/01/2022 - 12/01/2022

Execute Website Plan (code): 12/01/2022 - 03/01/2023

Final Site Test: 03/01/2023 - 03/17/2023

Changes : 03/17/2023 - 04/01/2023

Final Instance: 04/01/2023 - 04/05/2023

## Reflection

Overall the project in this state went somewhat smoothly. Coding and gathering data for the portfolio took most of my time in this course. An interesting discovery I found when developing the groundwork for my site is that APIs that will check interactions are not easily accessible.

This really hindered my project from taking off in terms of progress being made. A valuable lesson that I will carry into the next instance of this class is time management, when to start and finish sprints of the project truly will help me in the future of the project. I am most proud of the progress that I made on my portfolio over the course, I have always wanted my own website to display information about me and now I have made one for myself!