Elijah Andrushenko

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CPTS 479

Mobile Application Development

Project Proposal

Description

Project Title: COVID-19 Monitor

Features and Functionality: This application will display information regarding the Corona Virus Pandemic. A picture of a map that shows the spread of the Corona Virus will be displayed on the main page of the app. Global information about the Corona Virus will be displayed below the map. The information shown would be things such as COVID-19 cases, deaths, and date last updated. On a separate page based on the user's geographical location will be information such as cases within the user's state and county. Users will be able to view other states and counties Corona Virus information as well. From the main page users can navigate to an information page that shows the government's current instructions in regards to COVID-19 and the symptoms of people who have the Corona Virus.

iOS Functionality

•Navigation and Segues: For navigating between the multiple view controllers.

•Tables: To represent the data in a clean way, specifically when showing the corona virus information by state and county.

•Sensors: Using core location to determine the user's current location to display local information in regards to COVID-19.

•Communications: Using post requests to an API to display up-to-date COVID-19 Information. Current API: https://rapidapi.com/astsiatsko/api/coronavirus-monitor Additional APIs may be added or removed before the completion and submission of the project.

Similar Applications

The only application on the app store that related COVID-19 from searching was the CDC application. The CDC app is more generalized for all diseases while my application focuses on COVID-19 so if you only want information on the Corona Virus efficiently my application would be the better option. When using the CDC application it mostly just featured articles that if you clicked on took you to the CDC website rather than giving you information through the application itself.

CDC Application

https://apps.apple.com/us/app/cdc/id487847188