Abstract

The purpose of this project was to design and implement a web portal for healthcare providers that allows off site doctors to easily search for patients and access their visit notes. Doctors who work at offsite locations need to be able to access the patient’s previous history in order to provide accurate diagnosis. Using this web portal, they will be able to login using any mobile device, search, and easily see their patient’s previous visit notes. Patient providers will also only be able to search and see their own patients in order to protect patient privacy and security.

Our solution was to build the web portal using RESTful practices and web development tools like html, css, and AngularJS.

Architecture

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- MVC (Model View Controller)
- HTTP RESTful protocol

Language

- AngularJS
- CSS
- HTML

Impact

Impact to Aprima:

Aprima supports many healthcare providers by providing software that is robust and easy to use. This web portal will allow Aprima’s customers to easily search and view patient visit notes while offsite. Since it is mobile optimized with a simple UI, nontechnical providers will be able to easily use this portal on any mobile device.

Impact to Targeted Customers:

Nursing homes and other offsite healthcare providers, with the use of any device with a browser, can easily search and view visit notes of any patient under their care in an easy and secure way.

Results

The outcome of this project is the Secure Chart Access Portal which contains three primary pages: a login page, search page and display page. It is built for non-technical care providers.

Summary

For this project, our team worked with the company Aprima to develop a secure access healthcare portal for nontechnical healthcare providers. We developed a three page website that contains a login page, search page, and display page. Visit notes are displayed in PDF form when using a desktop. Otherwise, users on IE/Microsoft Edge or mobile will be shown an HTML version instead. As a team, we would like to thank Dr. Razo, Professor John Cole, and our company sponsors, Daniel Popp, and Becca Dana for providing us with this project.