PORTONHealth

Project Summary

We are a digital health company creating products that help streamline the workflows in clinics and hospitals. We create web applications that can be used standalone or integrated with our existing products. This project will create a Patient check-in kiosk application that can either be used alone in a clinic or integrated with our existing applications and used together with any or one of them. A patient check in kiosk application can either be run via a web browser client on any device (predominant touchscreen tablets) to save the front-line staff time and exposure to patients with communicable diseases.

Project details

A number of implementations of this web app exist (Not more than a day of basic research is encouraged), however a simplified workflow will look like this.

1. A welcome screen asking what the person would like to do:
    a. Check in
    b. Sign-up to be seen soon
    c. Modify an existing appointment
    d. Speak to a human
2. This prototype may only have time to implement (a) the b ,c, d would have greyed out options on the UI.
3. Choosing option (a) provides a list of patients in the time frame of the check-in (15 mins) range from when the person is checking in – in a HIPAA format. First Name and last name Initial and Dr. (or walk-in) and a basic query to confirm the person is the right person, like last 4 digits of phone #, health care of year of birth etc. If the clinic allows walk-in booking…if they arrived late should get a message to say, see the Medical Office Assistant. If clinic or hospital wants pre-check-in instructions or forms etc. completed, then it should have that option after confirming the identity of the patient.

User Interface

a. Build a patient interface for users to carry out the steps above
b. Build a clinic interface to setup the services and upgrade or downgrade
c. Build an administrative interface for configuration

Backend /ERD

d. Build an admin section to allow for configuration and support functions such as add/remove roles, add/remove service.
e. Build API (rest/soap) connection to Electronic Medical Records (client will provide credentials to EMR)
f. Build API (rest/soap) connection to existing WEBAPP/DB
g. Build a Report API