

NewHat Triage Application

Project Plan

Version 1.0

12/01/2020

1. Introduction

1.1 Purpose of the Application

A hospital's Emergency Department should be prepared in the event of a catastrophic event resulting in mass casualties. This means there should be a Triage process in place to effectively manage ED workers to ensure patients get the care needed in a timely manner. The ability to manage such an event requires processes that include:

- Identify doctors and nurses who are on-call
- Patient evaluation and assessment
- Patient rating to prioritize patients who need immediate care, patients with little survival chances and patients who may need to be transported to external trauma center, and
- Patient progress tracking

The purpose of this application is to help hospital staff so that triage patients can get timely attention before they enter the hospital.

- Triage is the process of classifying patients according to the severity of their injuries.
- Triage system determines how quickly they need care to avoid patients' deaths.
- Many hospitals use triage when medical-care system is overloaded and there are people who need care.
- Hospitals use a 5-level system, considering current resources and the status of the patient (ESI).
- Various codes exist in FHIR to display these levels

2. Overview

Our application will facilitate the following tasks:

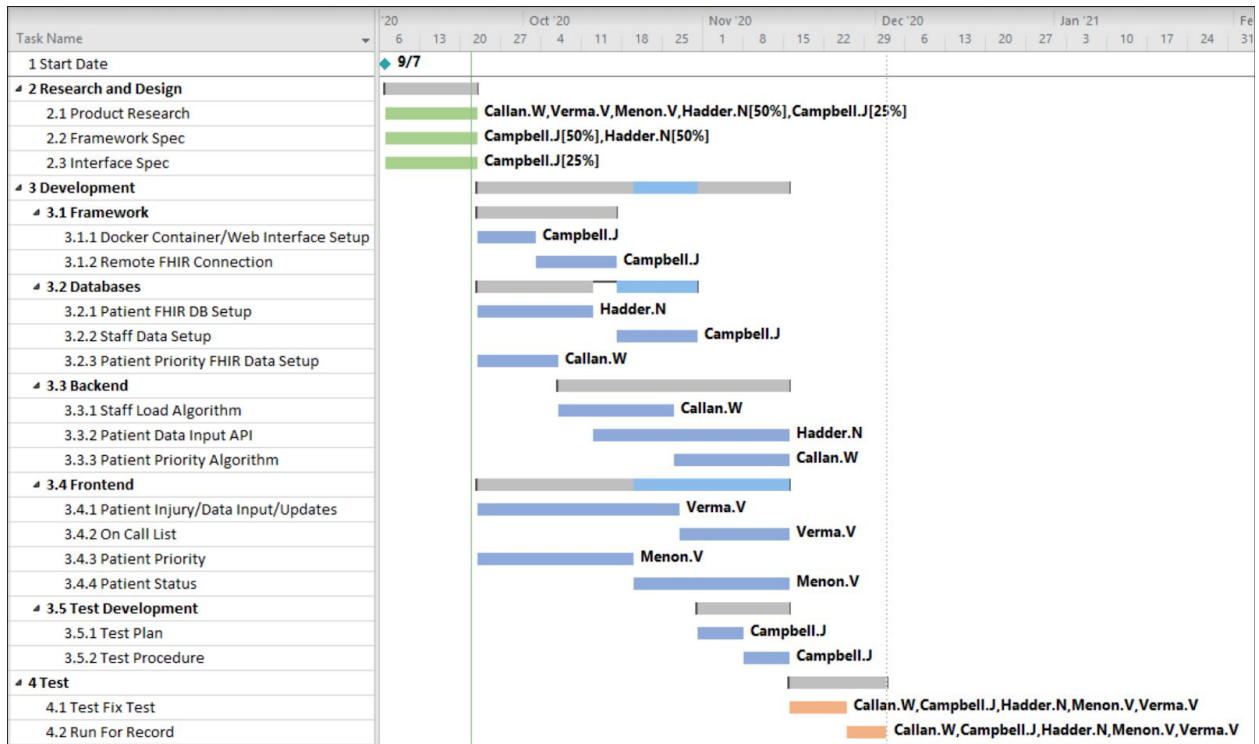
- Gathering patient information
- Assigning a triage severity level to a patient
- Monitoring patient progress
- Tracking staff and managing capacity

- Pairing injuries with appropriate staff
- Updating staff assignment

3. Business Case

- Solutions do exist currently with following vendors:
Vital, ClearTriage, Triagelogic (top, middle, bottom)
 - What problem does it solve?
Emergency service problems and patient health outcomes.
 - Benefits of a software solution:
Increases clinician efficiency, helps ensure standard protocols are used.
 - For whom is the solution?
Clinicians.
 - Our solution must be responsive, interoperable, and easy to use.
- Staff needs a quick, accessible system.
- Hospital resources before and after Triage need the information.
- The software might need to be used by many different skill sets.

4. Schedule



5. Team

Team Members/ Team Member Roles & Responsibilities

Nathan Hadder – Project Manager – Responsible for planning and overseeing the project and that they are completed in a timely manner. Project Managers monitor and report progress as well as plan and designate resources.

James Campell – QA - Ensures that the final product is of high quality and has little to no bugs. In charge of implementation of test activities, and the detection and resolution of problems.

William Callan – Developer - Provide ingenuity and development for the software providing the actual coding efforts.

Vaneet Verma – Developer - Provide ingenuity and development for the software providing the actual coding efforts.

Vidya Menon- Developer - Provide ingenuity and development for the software providing the actual coding efforts.