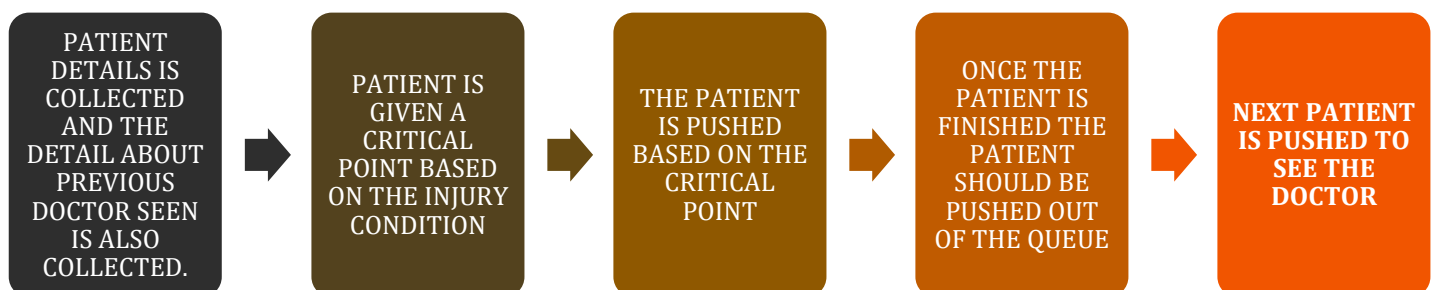


NEXT PATIENT ALLOCATOR-CARE SYSTEM FOR A HOSPITAL USING CRITICAL POINT BASED QUEUE-SORTING

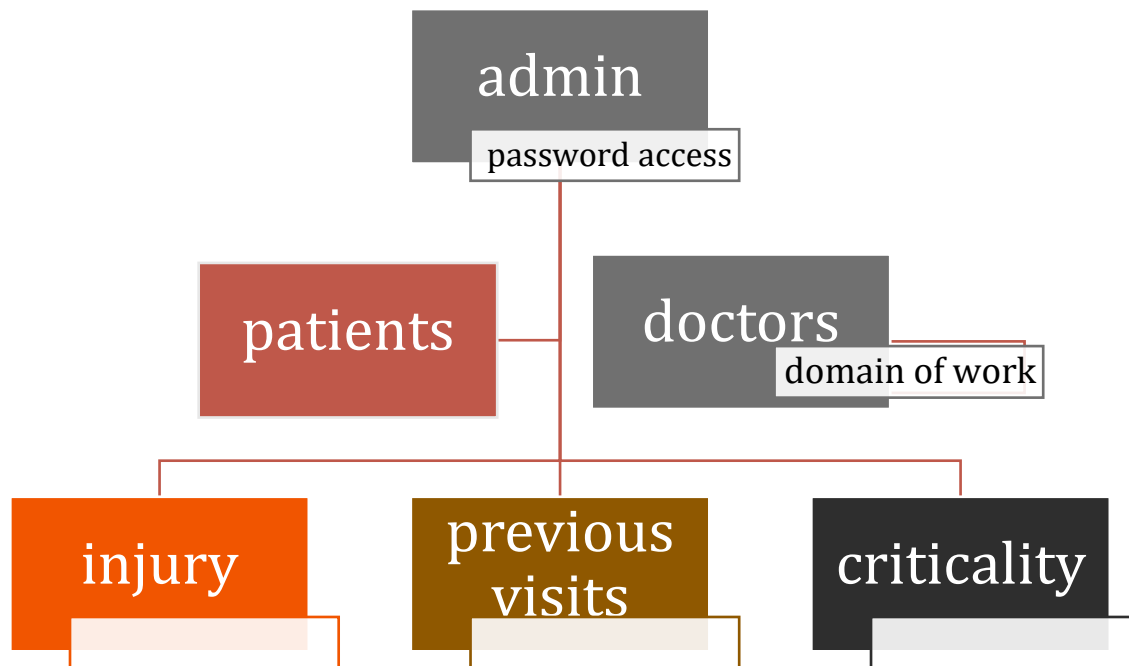
PROBLEM STATEMENT:

- A basic queue (first in first out) system for next person to be seen can be implemented in any organization/place but in a hospital, this is not feasible and reasonable as some patients have more urgent and critical injuries than others. This system (mini project) thus allocates the next person to see a doctor based on the criticality of the injury/condition.
- This project focuses on giving a patient a critical point and higher the critical point the more prior the patient is seen (for example a patient of critical point 2 is sent before a patient of critical point 1)
- In addition to this, the project will also include basic CRUD system to collect/remove data about the patients and doctors.

ARCHITECTURE DIAGRAM:



CRUD SYSTEM:



OUTCOMES AND DELIVERABLES:

- This project helps to find the next patient to be seen by a doctor in considerable and feasible manner
- It ensures that a person with more critical injury sees the doctor prior to the other patients with minor injuries thus making the queue structure suitable for a hospital
- This can be used in real life to save a lot of time and to decrease the mortality rate(as critical patient is treated earlier, recovery rate is higher)
- This is used to manage patient/doctor data in a hospital as it also consist of a CRUD system.