**Graduate Project (COSC5369)**

**Homework -1**

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**Topic#1**

Title: Hospital Management System

Features: A Hospital Management System Web Application typically designed with various features to handle various departments like Administrative, Clinical, Medical, Laboratory and Operational Processes.

* Patient Management Portal is used to track the patient health care info.
* Allow Patient to schedule and manage appointments Online.
* Staff Management portal to track Employee info and other transactions.
* Pharmacy Management to schedule the Medicare and delivery tracking.
* Security and Compliance of the portal to protect from various vulnerability risks.
* Insurance Claim process can be tracked online once request submitted.
* Bill Payment and Financial Process.
* Donation / Charity: Support good causes and give donations directly through the website.

Experience:

I have been a Java Full Stack Web Developer with over 1.5 Years Experience. Our Team decided to handle this project dividing into different streams. Designing Database, Graphical User Interface, and Spring Boot Java Api’s.

* Will Follow the Agile Development process in designing and integrating the web application.
* I was Excited to work in this project development process.

**Topic#2**

Title: Feel fit your fitness journey

Features: A Web Application to guide you fitness journey towards Healthy heart.

* Custom Workouts: Make your own exercise plan that fits how fit you are and what you want to achieve.
* Progress Tracking: Keep an eye on and understand your fitness journey better by looking at detailed progress records.
* Nutrition Guidance: Get advice on what to eat that's personalized for you, focusing on overall health.

Experience: I visited the hospital frequently during my childhood for vaccinations and to consult with doctors when I was unwell.

**Tech Stack:**

**Front End:** HTML, CSS, JavaScript, TypeScript, Angular.

**Back End:** Spring Boot Using Java. **(J2EE)**

**Data Base:** MySQL.