**Project Proposal**

**Project Title: Hospital Management System**

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**Project description**

The aim of the project is to create a Hospital Management System database. The purpose of the database is to speed up the exchange of information between the doctor and the patient. Patient information would be collected in a single database. Access to the data would be available by both the doctor and the patient side through web. Access to data is user-based and is determined through roles in the database. The functionalities of the database are next:

* Patients and doctors can registrate and create password in database;
* Patient can see himself/herself data and information that doctor is added (drugs; diagnosis prescribed by a doctor)
* Doctor can correct patient data, to write out drugs, to create appointments with patients and correct or delete those.

**Project goal**

Our goal is to create a strong database where customers can get information from doctors from one place and in the future also make purchases from pharmacies.

**Technical overview**

This is the overview of the technical solution.

Database

Browser

controller

Doctor Service

Doctor Repository

Patient Service

Pharmacy Service

Schedule Service

Patient Repository

Pharmacy Repository

Security Configuration

Doctor Thymeleaf

Edit Patient Thymeleaf

Edit Schedule Thymeleaf

Main Thymeleaf

New Patient Thymeleaf

New Schedule Thymeleaf

Patient Thymeleaf

Register Patient Thymeleaf

Register Success Thymeleaf

Register Doctor Thymeleaf

Custom Doctor Details Service Service

Custom Patient Details Service

Schedule Repository