UNIVERSITY OF MISSOURI-COLUMBIA
COLLEGE OF ENGINEERING
DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

CS 4320/7320 – SOFTWARE ENGINEERING I
Fall 2024

PROJECT 2: (iCARE) Implementation

Due Date for Project2: Friday November 1st, 2024, at 5:00 pm

1 Objective

Implementing the iCARE software model discussed at the given SRS (Software Requirement Specification), i.e., the solution of Project1-Phase3.

2 Instructions

For Project2, you should be able to:

- Use any Database Management tools, e.g., MS SQL Server, to create the Database corresponding to the class diagram given in the given SRS.

- Implement all the operations specified in the given SRS.

- Name the Database using your group number then iCAREDB, e.g., if your group number is 1 then the database name will be "Group1_ iCAREDB".

- Name your application using your group number then iCAREAPP, e.g., if your group number is 1 then the project application name will be "Group1_ iCAREAPP".

- You should **consider**, in your Web App, **ALL** the features and descriptions that specified in the provided Potential iCARE Classes table.

- Try to create your Web application using the MVC web application structure. You can choose any tool to create your Web application. However, using Web MVC web application from MS Visual Studio, is preferable.

3 Hand in

- A zip file of your application with a read me file on how to run your application.

- You need to schedule a meeting(s) with the TAs to show and present your Project. All meetings must be before Friday November 1st at 5:00 pm. After that time, you cannot present your work and no change of marks will be allowed.

- You need also to create and submit an executable file plus a readme file, so that the TAs can run your web application by clicking in that executable file.

4   Grading

Project2-Implementation Rubric

Criteria	Points
Login, Manage and Registration of users with different roles.	10-Point
Entry and managing Patient records.	10-Point
Display patients according to their locations and allow workers to assign a patient or group of patients to themselves.	10-Point
Treat and update patient's record by the worker.	10-Point
Display Palette and all related operations.	10-Point
Display My Board	5-Point
Manage Documents (including imaging) and all related components and operations	15-Point
Integration with external Drugs Management System.	10-Point
Clean Code. This includes code is in good order, separation of work, comments, etc..	20-Point
Total	100-point

<u>* Best Correct, Attractive and Effective Project will get an extra BONUS of 25 POINTS ***</u>**