Software Development Capstone Topic Approval Form

The purpose of this document is to help you clearly explain your capstone topic, project scope, and timeline. Identify each of these areas so that you will have a complete and realistic overview of your project. Your course instructor cannot sign off on your project topic without this information.

 Note: You must fill out and submit this form. Space beneath each number will expand as needed.

Any cost associated with developing the application will be the responsibility of the student.

INFORM MENTOR:

Potential use of proprietary company information: (Y/N) - **No**

ANALYSIS:

1. Project topic AND description: **Cornerstone Cummunity College students register for classes using their mobile platform called CCC Scheduler App Version 1.0. They have been receviging complaints from their students when attempting to use the app to register for classes for upcoming semester terms. The majority of the complaints from the student body states that the user interface and navigational buttons are cumbersome to use. For example for a student to be able to update course information to their semester term, using the 1.0 version currently requires the student to navigate through several UI pages to reach modify the course.**

2. Project purpose/goals: **The purpose of this project will be to make significant improvements to the Scheduler Mobile App by introducing improvements to the user interface design, updating to a modern color scheme, and application features easier to navigate through scheduler app. By making these improvements, this will allow the students of Cornerstone Community College add, update, delete semester terms, semester courses, and course assessments a lot easier with the improvement to the nagivational system.**

DESIGN and DEVELOPMENT:

1. Application Type (select one):
   - Mobile (indicate Apple or Android) **Mobile: Android**
   - Web
   - Stand-Alone

2. Programming/development language(s) that you will use: **Java**

3. Operating System(s)/Platform(s) that you will use: **Mac Operating System Montorey 12.0.1 usinig IDE Android Studio Artic Fox 2020.3.1 Patch 3**

4. Database Management System you will use: **Room persitent library as an abstraction layer for SQL Lite**

5. Estimated number of hours for:
   i. Planning and Design: **8 Hours**
   ii. Development: **20 Hours**
   iii. Documentation: **12 Hours**
   iv. Total: **40 Hours**

6. Projected completion date: **12/31/2021**

IMPLEMENTATION and EVALUATION:

1. Describe how you will approach the execution of your project: **I will put all of planning, development, and professional communication that I have gained while attending WGU toward this project.**

    X - This project does not involve human subjects research and is exempt from WGU IRB review.

STUDENT **SIGNATURE**

Greg Westmoreland

By signing and submitting this form, you acknowledge any cost associated with development and execution of the application will be the responsibility of the student.

COURSE INSTRUCTOR'S NAME:

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COURSE INSTRUCTOR APPROVAL DATE: 12/17/21