Introduction to Software Engineering(Pr)

Fall 2019
Final Project

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Course Learning Outcomes: CLO2, CLO3, CLO4, CLO5

Instructions:
- The project is supposed to be completed by each or group of two students as the part final lab exam.
- Any type of plagiarism will be STRICTLY taken and may lead to serious penalties in the course.
- Project should be managed on GitHub from day one and should be committed on daily basis or after each chunk of activities.
- You are NOT allowed to use Entity Framework for connectivity of database, queries should be written to retrieve and manipulate data.

Grading Criteria:
Project will be evaluated based on the following parameters
- Completion of project features
- Ability to provide professional and easy to use UI/UX
- Connectivity of database
- Exception handling and readable errors for the user
- Responsive UI
- Maintainable, readable and modular code
- Reports in PDF format in professional style
- Ability to provide more features and reports based on the provided database

Case Study:
Department of Computer Science UET Lahore holds committee for management of final year project. Each year, list of project titles is opened for the students by the committee after the compilation of ideas from the faculty members. Students are privileged to form the group and select any of the ideas from the list after approval from the faculty advisor. Once the project is selected by a group of students, an advisory board is assigned to the project which consists of main advisor, co-advisor, and industry advisor. Throughout the

year, multiple evaluations are taken against the project. Currently, this process is managed through spread sheets.

You are supposed to streamline the above process and develop a web application (ASP.net) that will be operated by the member of project committee to manage data at one place. Following features will be implemented in the application.

- Manage Students
- Manage Advisors
- Manage Projects
- Formation of Student Group and its management
- Assignment of project to a group of students
- Assignment of multiple advisors to the project
- Manage Evaluations
- Mark the evaluations against a group

Final year project committee also requires multiple reports in pdf form that may include.

- List of projects along with advisory board and list of students
- Marks sheet of projects that shows the marks in each evaluation against each student and project

And any other reports that you can help the committee to streamline the process.