



CSE 427 Software Project Management

Planning and Managing a software project

Introduction

You are required to construct a full project life cycle for a software system that has 3 channels of user interfaces, a web site and 2 mobile apps, one that works for Android® and the second app for Apple IOS®.

You are not required to build the software system itself, while you need to demonstrate all the artifacts of a software project management. This is going to happen throughout the course.

Project Description

You are required to lead a team in an organization to build a collaboration peer-teaching system, where students registered in a course can join the group of the course and use the system to collaborate on the subject, exchanging ideas and help each other with the course contents.

The system will also offer a marketplace where paid services are also be available, such as a student can sell a problem solution to his peers ☹ for 5 L.E. per solution per buyer.

Each course group must have a coordinator, usually the course teacher or one of the assistants, to make sure that no cheating, nor solving homework's or implementing projects for others is happening.

The system must have all the features of google classroom and the users are registered on the system the same way as google classroom system.

The system revenues will be based on a revenue share model where 10% of each sale will be deducted to the system owner.

Also, a flat subscription fee will be charged for students.

The course coordinator will also be rewarded 25% of all the system income of his/her course.

The system must have also the ability to create and manage online chat rooms where text, voice and video can be streamed.

The project will be piloted with the CESS program in Ain Shams university, where you can consider Prof. Ayman Bahaa as the project sponsor for the pilot implementation.

You are also going to have the project funds from the TIEC office <http://www.tiec.gov.eg> if you can persuade the committee there by your project.