

ECE 493 Software Systems Design Project

Winter 2021

Initial Project Plan

Due Date: 11:59pm Jan. 22, 2021

Objective: Practice documenting the project plan for a small case study

Conference Management System (CMS) is a web application that supports managing paper submission, paper review, registration, and scheduling for a conference held by the XYZ department at the University of Alberta. In this assignment, you will craft a project plan for building CMS according to the SRS provided. The project plan should include a work breakdown structure (WBS), project network diagram, and Use case diagram.

The key questions for any project include what tasks must be completed for it; what order those tasks must be completed in; and how much time is needed to complete them all. To capture this information, you are required to prepare three documents: a work breakdown structure (WBS), a project network diagram, and a use case diagram. These will document the conceptual and temporal dependencies between the different elements of the project. While this exercise will provide insight into the tasks needed to complete the project, and how they can be scheduled, you will only be evaluated on its completeness against the CMS SRS. In the WBS, each functional requirement must be a non-leaf node in the WBS tree (there will be tasks that must be completed to realize each one). For the project network, each leaf node in the WBS must appear as a node in the network. Finally, every functional requirement must also be included in at least one use case; this must be documented in the use case diagram or an attachment. All actors and external systems must also be included. Standard UML notation shall be used in documenting use cases and their dependencies. All these documents should be consistent together and with the SRS.

Submission: Deliverables for this part consist of a work breakdown structure, a network diagram, and use case diagram(s) which must be emailed to the instructor and TA team via Google Drive prior to the deadline.

Grading:

Work Breakdown Structure 35%

Project Network Diagram 25%

Use Case Diagram 40%