

Marmara University – Faculty of Engineering – Department of Computer Engineering

Spring 2021 – CSE4053 Information Systems: Analysis & Design

Project #2: Planning

Due: 03.04.2021.Sat 23:59

- 1) Determine a practical, applicable to real business, software project that you want to implement with the following considerations:
 - a) Your software project will be done step by step starting with this project (project #2) up to last one (project #5).
 - b) In order to select a project topic, keep in mind that your project should include the management components such as scope, time, and cost. You are going to complete the phases for planning, analysis, design, and implementation of your project.
 - c) Select a project subject/topic and give it a name. You are going to stick this topic through the semester, and you will not be allowed to change your topic.
 - d) You must take the approval of your instructor via email about your project topic and group before starting your project. Prepare a proposal for your software project.
 - e) You are going to work in groups. Groups will consist of 3 at most and no less than 2 people.
 - f) Points to get are 3%, 6%, 10%, and 7% for the projects #2, #3, #4, and #5, respectively.
 - g) You are going to finish your software implementation in project #5.
 - h) You can use any software language and database management system. Your group will maintain the servers on which your software runs.
- 2) [12 pts] Prepare a **project proposal** including the following elements.
 - a) First and last names of group members.
 - b) Name of the project.
 - c) Project description.
 - d) Scope of the project.
 - e) Aim of the project.
 - f) Prepare a 1-A4-page document at most.
 - g) Take the approval.
- 3) [20 pts] Prepare a **system request** document which consists of following topics.
 - a) Project sponsor.
 - b) Business need.
 - c) Business requirements.
 - d) Business value.
 - e) Special issues or constraints.

- 4) [24 pts] Prepare a **feasibility study** document which consists of following topics.
- a) Technical feasibility.
 - b) Economic feasibility.
 - c) Organizational feasibility.
- 5) [8 pts] Select a **methodology** that you will be using for your project.
- a) Why do you select that methodology?
 - b) What are the advantages and the disadvantages of your methodology?
- 6) [16 pts] Develop a **workplan** document for your project which consists of following topics.
- a) Time estimation.
 - b) Task identification.
 - c) Task details such as description and scope, etc.
 - d) Work breakdown structure.
 - e) PERT chart.
 - f) Gantt chart.
 - g) Dependencies.
- 7) [12 pts] **Staff** your project for your workplan that you have created.
- a) Assign your group members and other people to you tasks in your workplan.
 - b) Analyze the workload of your project people.
- 8) [8 pts] Prepare a **control and direct project** document which consists of following topics.
- a) List all the software that you use for your project and give some explanation: development, database, code base, document base, versioning, communication, project management, etc.
 - b) If any, mention the standards that you comply with.
 - c) List and explain your risks in your project. Also, explain your remedies and plan B's for them.

IMPORTANT NOTES

- 1) Write the following sentence in a text file: “We hereby swear that the work done on this project is totally our own; and on our honor, we have neither given nor received any unauthorized and/or inappropriate assistance for this project. We understand that by the school code, violation of these principles will lead to a zero grade and is subject to harsh discipline issues.” Rename it as “we_swear.txt” and include this file in the zip submission file.
- 2) In case of any form of copying and cheating on solutions, all parts will get ZERO points. You should submit your own work. In case of any forms of cheating or copying, both giver and receiver are equally culpable and suffer equal penalties. All types of plagiarism will result in zero points from the project.
- 3) Compress the following files in a zip file and name it as pr2_studentID.zip
 - a) pr2_studentID_we_swear.txt: honor code.
 - b) pr2_studentID.docx: all your documents merged in a single file in order.
- 4) Submit your single zip file to the site <http://ues.marmara.edu.tr> before deadline. Only the group representatives will handle this process.
- 5) Do not send project submissions through e-mail. E-mail attachments will not be accepted as valid submissions.
- 6) You are responsible for making sure you are turning in the right file, and that it is not corrupted in anyway. We will not allow resubmissions if you turn in the wrong file, even if you can prove that you have not modified the file after the deadline.
- 7) Grade evaluation may be done on selected parts of the project, so try to complete all parts of your project successfully.
- 8) No late submissions will be accepted.
- 9) You are going present your work together with the project #3 later in class.