Marmara University – Faculty of Engineering – Department of Computer Engineering

Spring 2021 – CSE4053 Information Systems: Analysis & Design
Project #5: Implementation
Due: 07|14.06.2021.Mon|Mon 23:59

1) [60 pts] System **construction**.

   a) [10 pts] Give information about your programming.

      i) Which programming languages(s) have you used for this project?

      ii) Which IDEs have you used for this project?

      iii) What are main modules of your program?

      iv) Which database management system have you used?

      v) How have you evaluated your software?

      vi) How have you evaluated your hardware?

   b) [20 pts] Prepare at least one complete test plan for any of the programs.

   c) [16 pts] Explain each of the following types of tests for your system in details.

      i) Unit testing

      ii) Integration testing

      iii) System testing

      iv) Acceptance testing

   d) [6 pts] List the documentation of your system. Explain them briefly.

   e) [4 pts] Where do you store your codes/programs? Explain briefly

   f) [4 pts] Give information about work item tracking. Which tools have you used?

2) [20 pts] System **installation**.

   a) [3 pts] Explain the migration plan briefly for your system in terms of business, technology, and the people.

   b) [9 pts] Prepare a conversion strategy/plan according to the following issues.

      i) Style: direct, parallel.

      ii) Locations: pilot, phased, simultaneous.

      iii) Modules: whole-system, module by module.

   c) [4 pts] Why have you selected that conversion strategy? Explain in terms of costs, benefits, and risks.

   d) [4 pts] Prepare a training plan for the system.

3) [20 pts] System **maintenance**.

   a) [4 pts] Prepare a post-implementation audit report.

   b) [4 pts] Give information about your support plan.

   c) [4 pts] How do you maintain the system? How do you report the problems/bugs?

   d) [4 pts] Do you use support / ticketing system? Explain briefly.

   e) [4 pts] How do you handle project assessment and change requests?

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 pr5_studentID.zip

   a) pr5_studentID_we_swear.txt: honor code.

   b) pr5_studentID.docx/pdf: all your documents merged in a single file in order.

   c) pr5_studentID.pptx: the presentation file in order to present your work for project #4 and project #5.

   d) pr5_studentID_other.zip: all other files that you cannot embed into your docx/pdf file.

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 to present your work together with the project #4 later in class.

   a) First four groups will get +15 points bonus for project #5.

   b) All of students should attend all the presentations. Attendance will be taken into consideration.

   c) While presenting, all the group members must open the camera during their presentations.

   d) Similar to lecture hours, all presentations will be recorded.

   e) You are going to present your work online in 24 minutes on the date assigned for your group. Group members should equally participate the presentation.

   f) **Any group member, who does not present his/her work on the date assigned, will get zero points from both project #4 and project #5.**

   g) Prepare a presentation file for your presentation and submit it together with your project #5 files (see above).

   h) Presentations will be done according to the following table.

No	Group Members	Project Topic	Presentation Date
1	Sedanur Kara * Emir Buğra Kılıç Sinem Onal	Order Management	09.06.2021 **Wednesday 15.0 – 17.00**
2	Fatmanur Özdemir * Buse Batman Kevser İldeş	Cemetery Sales	09.06.2021 **Wednesday 15.0 – 17.00**
3	Cem Güleç * Elif Balcı Büşra Gökmen	Swapy	09.06.2021 **Wednesday 15.0 – 17.00**
4	Eray Ayaz * Ahmet Hakan Ekşi Süleyman Barış Eser	CSE Internship	09.06.2021 **Wednesday 15.0 – 17.00**
5	Nur Deniz Çaylı * Emin Kağan Kadıoğlu Minel Saygısever	Bahçem	10.06.2021 **Thursday 10.30 – 12.00**
6	Halid Seyfullah Sert * Tarkan Batar Mustafa Kibaroğlu	SuperVet	10.06.2021 **Thursday 10.30 – 12.00**
7	Hümeyra Ceyda Polat * Alperen Kağan Kara Zehra Zeynep Pehlivan	Colorify	10.06.2021 **Thursday 10.30 – 12.00**
8	Çağla Şen * İrem Miray Çakır Pelşin Kaplan	BuzdolApp	16.06.2021 **Wednesday 15.0 – 17.00**
9	Osman Mantıcı * Havva Karaçam Varol Koçoğlu	Question Recommender	16.06.2021 **Wednesday 15.0 – 17.00**
10	Oğuzhan Tezel * Ahmet Tayyib Mengüç Harun Sarı	Image Transfer	16.06.2021 **Wednesday 15.0 – 17.00**
11	Selahattin Hüsmen * Bilal Tan Ahmet Fatih Yüksel	Car Brand Detection	16.06.2021 **Wednesday 15.0 – 17.00**
12	Selimhan Çakır * Hüseyin Demir Mümin Kocamaz	Calorie Counter	17.06.2021 **Thursday 10.30 – 12.00**
13	Ahmet Fazıl Emir * Metehan Ertan Abdullah Gülçür	MedCare	17.06.2021 **Thursday 10.30 – 12.00**
14	Ertuğrul Sağdıç * Ali Çetinkaya	Park It	17.06.2021 **Thursday 10.30 – 12.00**

* Group representative