

Semester Project of CSE338 - Responsive Web Design With ASP.NET 5 and MVC Pattern and BootStrap 5

Project Description V1 : 15.04.2021

Project Delivery : End of Finals

Please read this document at least 3 times

*You can use MySQL, **MS-SQL**, SQLite, PostgreSQL etc... as your relational database of your project.*

*You can use any of web programming languages such as **ASP.NET**, PHP, etc... as long as you can achieve **MVC pattern** with responsive web design.*

Project Selection

1) The projects will be made by **each individual students**. Please do not offer me group projects because in the past, none of them worked. Always only 1 student made the project and the rest didn't do anything. So the projects will be made **SOLO**.

2) Everyone will pick their own project. You have to decide your project and let me know your project before **30.04.2021**. I will evaluate your project and approve it.

3) In your project, there are several mandatory things:

- You have to achieve object oriented MVC pattern no matter which programming language you use. I suggest ASP.NET Core latest version with C#.
- You have to use a relational database no matter which database software you pick. I suggest latest version of MS-SQL developer edition.
- Your project doesn't have to be too big or too complex but we are expecting something worthy for third year student.
- You can contact me from discord or by my email : furkan.gozukara@toros.edu.tr
- We don't expect very high quality user interface design but it should be somewhat up-to-date and it has to be responsive – fully mobile friendly.
- You have to add enough syntactic data into your project to demonstrate every feature of your project. For example, if you are doing an e-commerce platform, you have to have decent amount of e-products with categories, etc.

- You have to add comments to every written code piece (e.g. methods, classes, etc.) in your project. Also whenever you use a ready code block, you have to add a comment to the top of the code and put the URL of the source. This is mandatory.
- If you happen to bring a ready taken project, of course you will get FF score. I will evaluate everyone's project 1 by 1 and will ask questions if I see it necessary.

4) You have to write a report about your project and explain it in details. This will also likely to increase your final score.

5) When planning, designing and developing the project, you have to think as your employer is paying you money for this project and like that you will use this project in your real life. So the features of the project has to be as useful and realistic and possible.

Some example projects to give you an idea: MVC using fully responsive

- Web based hospital management system
- Web based school management system
- Web based library management system
- Web based bus / train / ticket management system
- E-commerce website
- Forum website
- Dictionary website

There will not a final exam. Your grade will be based on this Project. Thus, take this Project very seriously and start working on it immediately. Look the internet for the parts that you do not know. Create an account on <https://stackoverflow.com/> and ask there, or look for answers there. When doing the Project, you can ask the parts that you cannot solve in our discord channel. Our discord channel link: <https://discord.gg/6Mrb8MwteQ> . My email: furkan.gozukara@toros.edu.tr . Also you can contact me through our discord channel.

- 1. Lastly everyone will record a very detailed video to explain the project.**
2. Video will be recorded with OBS studio in 1080p (high quality so that I can read explained code easily) resolution.

3. It is mandatory to use microphone when recording and explaining the project verbally by speaking.
4. Before starting to record your video, make a test recording and be sure that your video recording and your voice is in good quality and working as expected.
5. Turkish students can record the video in Turkish.
6. The project has to be made in English.
7. Non-Turkish students can also record their video in Turkish if their Turkish is better than their English. However, they should use English if their English is better than their Turkish.
8. When explaining your Project, you need to explain every piece of your written code.
9. What does that particular code piece or that particular class or that particular method, etc. and how did you write it. ***If you take a code from internet or elsewhere, make a comment and put your source link above of that code block.***
10. **Moreover, you have to explain and show every feature of your application. If you only explain your codes, your project will be counted as invalid. So run your application and do example of every feature such as register, login, get book, return back book, book time expiration message/alert whatever the feature there are for a library project. Of course the features will be depended on your individual project. It is also mandatory to show and explain your database content and database design as well.**
11. Once your video is recorded, you will upload your video to Google Drive and also YouTube. In your project delivery, compose a text file which includes your YouTube video link and google drive video link. Make sure that both google drive video and YouTube video is accessible to everyone who has link. YouTube video can be unlisted. But do not make the video private.
12. Finally, ZIP or RAR your entire Project and upload to your Google drive. In this final ZIP or RAR archive, all of the code you have written has to be included with video recording links. After you get your Google drive upload link of your project, send me that link as email: furkan.gozukara@toros.edu.tr

13. When sharing your Google drive upload link as email, make sure that your upload's visibility is set correctly. Set it as who has link can view or download so that I can download it.
14. Everyone will be sending a Word or PDF document along with their final project files. This document will contain screenshots of your all comments to the lecture videos (all of the 14 lecture videos). Take screenshots with high resolution. Your comment has to be clearly readable. Those who fails to send this document will be counted as not attended to the lectures. Therefore, they will get FF.
15. If your comment is not visible in YouTube comments section, it is fine. Just take screenshot of your comment after you posted the comment.