

Every student attending to this course should prepare a software project (Coded by C#) that must include the following mandatory parts. Project should be studied individually.

Project subjects can be all kinds of business activities such as stock control, employee attendance control, any reservation systems, sales automation.

Content, Grading and schedule:

1. Project Planning (30%) (should be submitted up to end of 8.th week),
 - a. Project name, spec, design and preparation plan
 - b. Business description and Job workflow explanation of the project you want to implement,
 - c. Draw "Use Case Diagram" of project to explain it in detail,
 - d. Decide the user interfaces required in the project, design them, draw the transition connections between the forms,
 - e. Decide on user data stored in the database and organize them in tables,
 - f. Project planning section should be prepared as a word file and send via OİS.
2. Project Preparation/Implementation (30%) (12th week)
 - a. Must have a User interface (at least 3 active form),
 - b. Must employ at least one class designed by student and usage of it,
 - c. Must employ at least one array or collection and usage of it,
 - d. Must employ a SQL Database (**mysql or mssql**) ,
 - e. **Add database (in text format) creation script into project,**
 - i. **For mssql: Create Database creation script (database, tables and inserted data included),**
 - ii. **For mysql: export database in sql format,**
 - f. The project must be submitted in zip/rar format at OİS & Github until the 12th week.
 - g. Projects must be presented at teams at weeks 12,13,and 14.
You need to prepare a video (maximum 10 minutes) to present project,
 - i. **Introduce yourself (you need to appear recognizable with your face)**
 - ii. **Explain your topic,**
 - iii. **Usage of your program (demo by sample),**
 - iv. **Defined forms,**
 - v. **Definition and usage of class you have defined,**
 - vi. **Definition and usage of array/collection you have defined,**
 - vii. **Your database and usage of it,**
3. Project Report ~~/Final Exam -?~~ (40%)
 - a. The project report (must include all parts of the project) must be submitted to OİS.
 - b. Project report format will be explained later.

• All studies and the Report must be prepared in English.

• The report should be written in accordance with the university's thesis writing format:

http://graduate.pirireis.edu.tr/images/pdf/tez_yazim.pdf

- Name, ID card and signature page :

Pirireis University's online exam regulations (<https://www.pirireis.edu.tr/online-sinavlar-usul-ve-esaslari>) According to Article 4: "Project, final assignment and delivery Word for home delivery exams, Powerpoint, etc., in addition to the digital document (Word, powerpoint, etc.), they should also include the photo containing it. "