

BIM308 Web Server Programmig

Final Exam Project

- Each project team can have at most 2 members.
- **You can choose one of the following projects or propose yours. For both cases, you have to make a brief statement about the project. i.e., you need to give information about your project. Of course, you can add or subtract additional properties after the acceptance. Also, you need to give your full name of your project team.**
- **You cannot use the frameworks other than you learn in the course.**
- The selected project must first be approved by the teaching assistants.
- The final date for the project proposal is **05/04/2021**. After this date **-20 points** will be added to your final exam grade for each week.
- You must prepare a project report. The report must contain the followings:
 - Title page: should contain name of the project, name(s), ID(s) of the student(s), and ethical statement.
For the ethical statement, write and sign the following sentence at the bottom of the title page.

"While preparing the project, I did not take any action that could be considered as plagiarism."
 - Main Part: An introduction about the project. Also add and graphical abstract (e.g. flow chart,...) which explains the project.
 - If the project team has two members, the work done by each team member on the project **must be** explained in detail.
 - References part: Add all references you used.
- The report, all source codes, and the files related with your project must be sent in a compressed file until **16/06/2021**.
- After the deadline **-20 points** will be added to your grade for **each day**.
- Your final grade will be **0** when plagiarism is detected.
- When preparing your project, you must use .NET framework.
- The files must be sent via MERGEN system.

Project Proposal Pool

You can see some sample projects and their short explanations below. These sample projects will help you find a project idea. Of course, you can choose one of them.

1) Online Customer Pricing

- The project involves creating a website to be used by the customers to view their current pricing, creating CSV files for the invoices and upload or email the same. Administrators of this website are able to create multiple price sheets using an online web form. The data on the website is secure and customers must only have access to their own data and not have the ability to view the data of other customers.

Complex calculations are involved in deducing the current price from the available set of data. The project has some modules like manage user account, view and search invoices and maintain prices. Html reports are used to display the invoices and prices.

2) Web Application for Data Retrieval

- This application consists of a web application and a windows service. The web application forms the UI part – it is designed as per end users' needs and the Windows service is integrated to this web application. It is the window service that reads the file from a specified folder, imports the file and records information in the database. Once the record and file information are updated by the window service, end user can then see that information from the website. All the information required to setup the web application and the window service are defined in the configuration (config) files. The web application has its own webconfig file and the window service has its own appconfig file.

3) Catalog Management System

- This is a multi-portal website in which each portal is associated to a brand to manage the brand's catalogs and products. Following is the key sub-systems (modules) to manage Catalogs of multiple brands. User maintenance module provides a simple and beautiful interface to manage users and their roles. Brand maintenance system contains functionality to manage the brands. Using this module, admin can create a dedicated portal for each brand. Category maintenance module provides a simple and beautiful tree-view interface to manage the sections, categories, sub-categories and products/catalogs. This interface provides functionalities like managing images, documents, videos, etc., of catalogs. Drag and drop functionality has been implemented to move catalogs or categories across the tree nodes.

4) Service Delivery System

- Service delivery system assists its customer to get to know the person, they are going to meet. The system is designed to place different activities of the person at one place in a PDF format. This one page web-based report summarizes all the relevant introductory data on a single individual. It covers both corporate and relevant personal information.

5) Student Information System

- Student information system project will provide admin module through which universities should update information about their education system, facilities, lectures of each branch and subject, based on subject code and branch code. Using user module user will register into this online web application using his registration number. Students are provided with five options excellent, good, bad, very good.. Etc using these voting system students will vote for lectures and colleges. Students will go through different levels before submitting his feedback style of teaching, Time sense, Subject knowledge, Voice strength and behavior. This website will provide features like semester results.

After analyzing the results on education standards based on voting system this application will provide results through graphical charts.

6) Personal Information System

- Personal information system is a web-based system which stores details of employees in an organization. It stores information about employees such as personal details, educational qualification, designation, training period, attendance, etc. Modules of the system are new alerts, employee details,

attendance, leave management and payroll. Some functionalities like messaging, performance evaluation and forum can be included to enhance the working environment and performance.

7) Banking Application

Banking application project provides a wide array of banking services online. There are four main modules in the project-account information, transaction, interest calculation and reports. The first module is account creation of the user which can be any type of account. All these details are fed into the database and this is validated by the bank.

8) Web Invoice

9) Project Organiser

10) Game Programming

11) Accounting Application

12) Learning Material Sharing Application

13) Online Image/Video Editor

14) Book Rental &Purchase Site

15) E-commerce website for Audiobooks

16) Product Landing Page

17) Driving Instruction Management System

18) Product Web Portal

19) Project Tracking System

20) Medical Records System