

IT3030 Programming Applications and Frameworks

Assignment – Practical exam

- **Focused Learning Objectives:** LO1, LO2, LO4, LO5, LO6
- **Weightage:** 10%
- **Date and time:** 25th Saturday, May 2019, 9:30 PM to 11:00 PM
- **Submission:** As explained in the text

Specification

SellNBye is an e-commerce system, which provides a platform for the registered sellers to advertise their products and registered buyers to order and purchase them. The engineering team has decided to implement the system based on micro-services architecture, using RESTful communication.

Things to do

- Use the service you have developed for your group assignment.
- Develop a Form and Grid client application to communicate with your service and perform CRUD operations related to the features of the service.
- You may use some CSS/frameworks/libraries/plugins to provide nice GUIs.
- **NOTE:** Look at the marking scheme to get a better idea.

Project management

- You may take a copy of the web service project from the group project and do the necessary modifications if needed.
- Make sure to maintain all the client application sources and related frameworks/libraries/plugins in a separate project.
- Include all the details to install and run all the components (web service, DB, Client application) into a README file.

Submission

- Push your work into a GitHub repo. Make sure to follow the structure bellow.
 - **Web service** – Directory: include everything related to the web service
 - **Client** – Directory: include everything related to the client project
 - **DB** – Directory: include the exported DB
 - **README** – File: include the details to install and run the system
- Submit a clickable link of the repo, to the submission provided in the courseweb, (or in the case of courseweb is not working, submit to the form provided via the online document).
- Make sure to submit before the deadline.
 - If 0 – 30 minutes late – Will get only 80% of the earned mark
 - If 30 – 60 minutes late – Will get only 50% of the earned mark
 - If later than 60 minutes late – zero mark

Marking scheme

Criteria	Weight
1. View (Layout, Formatting)	10
2. Client-Model (Form validations using jQuery)	10
3. Controller (Event handling using jQuery)	10
4. C[5]R[5]U[5]D[5] operations	20
5. Delta-Communication (AJAX) (for CRUD operations)	20
6. Status messages (for CRUD operations)	10
7. Viva	20

NOTE:

- Make sure the repo is not changed/updated/modified after the submission. If any file is changed/updated/modified, the marks will be affected by the said criteria, considering the latest time of the changed/updated/modified file as the submission time.
- If you do not perform well in the viva, only 50% of your mark will be given based on the assumption that you have completed the exam getting some help but you do not have enough knowledge.
- If you do not face the viva, zero marks will be given.