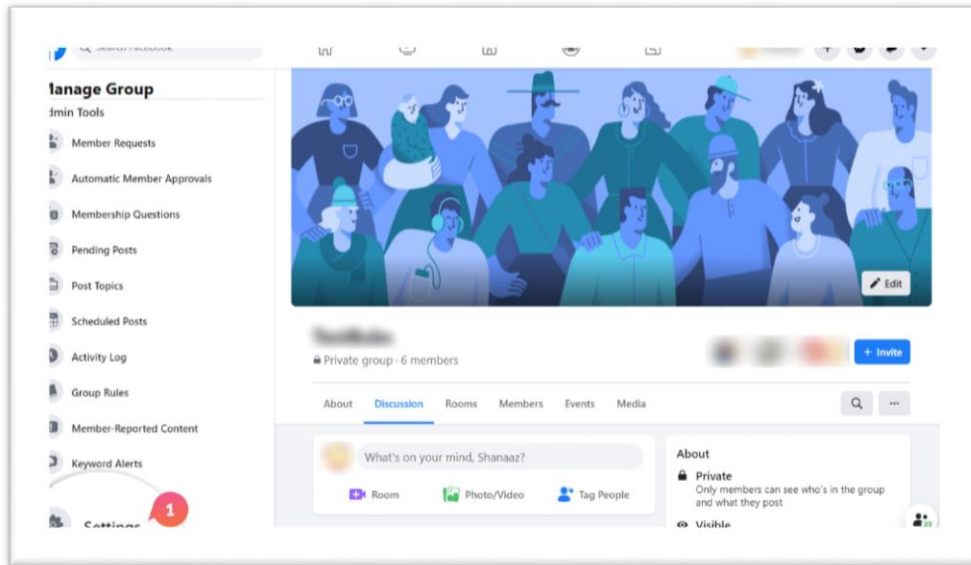


United International University

CSE-465 Web Programming Project Guideline – Summer 2022

Full Marks: 30

If any portion of your submission is found to be similar to another submission, both submissions will be marked as zero, and further penalty will be imposed.



You and your teammate will have to develop a Group Communication System similar to Facebook groups using Django. The project will have the following three user roles-

1. **Owner:** Any user who creates a group will become owner of that group. They can rename the group, share the group link to others, invite a member (other user), add new member, change group picture/description, delete any post in the group, and assign/remove moderation status from a member.
2. **Moderator:** Special member in a group who can add/remove members, accept/decline new post or updated post, mute/disable a user for a particular period.
3. **General Member:** Join a group, post text and/or image in a group, comment on other people's post in the group, edit/delete own post.

Note:

- You can add new features as you like.
- Three teammates will develop the works of three users.
- **The marking will be individual.**

Submission Process:

For each presentation, each team member will prepare a slide on what he/she has done for that project update. The slides will include the codes they have written and screenshot of the final outcome. Each individual will submit their slide as pdf in the eLMS.

Tentative rubrics for marking:

Ser	Criteria	Very Good	Good	Moderate	Poor
1	Interface	A CSS Framework is used, and the whole system design is streamlined	A CSS Framework is used (Bootstrap/ Semantic UI/ TailWind)	Some minor CSS code is applied in some of the pages	No design/CSS has been used (raw HTML)
2	CRUD Operations	All of the necessary CRUD operations are not implemented	Most of the CRUD operations are implemented	Some of the CRUD operations are implemented	Most of the CRUD operations are not implemented

Ser	Criteria	Very Good	Good	Moderate	Poor
3	Problem Domain Entity Identification	Implemented features cover have both vital and trivial entities of the problem domain	Implemented features cover only vital entities of the problem domain	Implemented features cover very few vital entities of the problem domain	Implemented features cover no relevant entity of the problem domain
4	Database Query	SELECT query is used with Aggregation (Data summarization)	SELECT query is used with JOIN (multiple entity are combined together in a page)	Basic SELECT query is used.	No database query is used. The contents are static
5	Functionality	All the major functionalities are present, and the software is deployable	All the major functionalities are present	Some of the major functionalities are present	No major functionality is present
6	User Experience	The UI is intuitive and easy to follow/learn	The UI is intuitive and but complex	The UI is complex	The UI is ambiguous
7	Navigation	Each page has proper navigation and a link to homepage	Each page has most of the navigation links	Each page has some navigation but not intuitive	Most of the pages don't have navigation
8	Error Handling	UI designed to prevent error from happening	Error/Warning prompts are helpful	Error/Warning is shown, but not helpful	No/very few error and warning shown in case of mistake
9	Responsiveness	The UI is very snappy and responsive. Does not redirect to other pages unnecessarily	Some Ajax is used to load necessary data in place	The UI is fast, but loads a new page from server in every link click	The UI feels sluggish and slow
10	User Preference	The system has separate window for customization	The system is customizable through external files	The system is not customizable but remembers some preference (Autofill)	The system is not customizable