CC 206 – Final Project Requirements

Groupings
- The class will work in **pairs (2 members only per group)**.
- Groupings are already established. **No changes in members allowed** unless approved by the instructor.

Project Requirements

1. Presentation

a. Create a **PowerPoint or Canva presentation** to be delivered on the scheduled defense date.
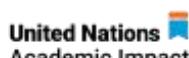 b. The presentation must include:

- **Title Page** – Project Title, Group Members, Course & Section, Instructor

- **Background of the Application** – Purpose, problem addressed, or target users

- **System Architecture** – Brief explanation of API integration or data flow

- **Features** – Minimum of **3 working features**

- **Technology Stack** – Flutter + APIs used (Firebase/Maps/API Model, etc.)

- **Screenshots** of the application/UI

- **Short video demo** of the system
   c. Presentation time: **5–10 minutes only**
   d. Followed by a **5–10 minute Q&A** from the panel/instructor

2. A Working Flutter Project

Your final output should be a **functional Flutter web or mobile application** stored in **GitHub**.

a. **Development Requirements**

- Create a **new Flutter project** and store it properly in your GitHub repository

- The project must include **API integration**, choose at least one:

  - **Firebase** (Authentication, Firestore/Realtime DB, Storage, etc.)

  - **Google Maps API** (location-based features)

  - **REST API** / **Model API** integration

- The app must follow **clean folder structure** (e.g. models, services, views, widgets)

- Must implement **at least 3 functional pages** (e.g. Login, Dashboard, CRUD screen, etc.)

- UI must be clean and properly organized

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b. **GitHub Requirements**

- Use the **same GitHub repo from exercises**

- Repository must have:

  - **main branch**

  - **feature branches** (from activities) + **new branches** for project features

- Branches must be **properly merged** with clear commit messages

- **No unresolved merge conflicts**

3. Documentation

A **Project Documentation** must be submitted **in PDF format** along with your PowerPoint. Follow the updated template in **Brightspace** and complete these:

1. **Title Page**

2. **Table of Contents**

3. **Introduction**

4. **Background of the Study / App Description**

5. **Objectives**

6. **System Features**

7. **System Design & Architecture**

   - System Overview Diagram

   - API/Firebase/Maps Integration Diagram

8. **Data Flow / Model and Services Explanation**

9. **Screenshots and Descriptions**

10. **Technology Stack**

11. **Challenges and Limitations**

12. **Conclusion and Recommendations**

13. **References**

14. **Appendix (GitHub link + video demo link)**

4. Peer Assessment
- Each member will evaluate their partner's contribution from **0–100**

- Grading is based on participation, coding tasks, documentation work, and teamwork

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Submission Instructions

- Submit the project via **Brightspace** in the Final Project Assignment link:
  - GitHub Repository Link
  - PPT/Canva Presentation File
  - Documentation PDF
  - Video Demo

- **Deadline and presentation schedule** will be posted in Brightspace

CC 206 – Final Project Grading Rubrics

Trait	Exceptional	Acceptable	Amateur	Unsatisfactory	Score
Collaboration(Related to progress on the GitHub repository)(25%)	25–21 points: All files (codes and assets) are organized into separate folders. All team members contributed to the repository.	20–16 points: Most team members contributed to the repository, including in coding and asset provision.	15–11 points: Most contributions were made by only two members.	10–0 points: All contributions to the repository were made by only one member.	
Design(Related to layout and styling of the application)(20%)	20–18 points: Use of layout widgets combined with effective styling results in a design that closely matches the prototype.	17–14 points: Use of layout widgets to position other widgets is good, and styling slightly resembles the prototype.	13–9 points: Overall layout and styling are simple; improvements can be made.	8–0 points: Overall layout and styling need significant improvement.	
Code Quality(Mastery of Flutter Framework and Dart)(30%)	30–27 points: Excellent use of Value, Layout, Interaction, and Navigation widgets. Stateless and stateful widgets are created for reusability. Comments are used strategically to describe code functionality. All source codes were not generated using AI-assisted tools.	26–22 points: Proper use of Value, Layout, Interaction, and Navigation widgets. Comments are appropriately placed. Stateful/stateless widgets are used to create custom widgets. Minimal traces of AI-generated code are present.	21–17 points: Minimal use of comments. Classes are distributed across three or more Dart files. Basic use of Value, Layout, Interaction, and Navigation widgets. Most of the code was generated by AI assistance.	16–0 points: All codes are located in one or two files. Comments are rarely used. Widgets are not utilized properly and need improvement. The entire source code was generated by AI assistance.	
Presentation(15%)	15–13 points: The group presented the developed application, including three or more features and demonstrated how they work. They also discussed possible and feasible improvements or future features.	12–9 points: The group presented the developed application, including two main features and explained their functionality.	8–6 points: The group briefly presented their application, showing only one feature. They struggled to answer questions from the evaluators.	5–0 points: The group poorly presented their output and failed to answer evaluators' questions.	
Project Submission(10%)	10–8 points: The project was delivered before the due date.	7–5 points: The project was delivered on time.	4–2 points: The project was presented to the evaluators but was incomplete. Revisions were made and submitted within a week after the due date.	1–0 points: The project was presented to the evaluators but was incomplete. Revisions were made and submitted more than one week after the due date.	
Total					/100