ADTA 5770: Generative AI with LLM
Semester Project – Submission Portfolio: Groups

1. Overview

The semester project aims to develop a knowledge-based Question-Answer and Search System. The project is done using the Cloud Integrated Development Environment (IDE) System (CIDES) provided by Google Cloud Platform (GCP) Vertex Ai services.

Students in groups work on the project throughout the semester to complete all the project assignments. At the end of the semester, each group will submit its group submission portfolio.

2. Semester Project: Submissions and Grading

2.1 Group submissions

Groups have worked on the semester project throughout the semester. At the end of the semester, the group must submit its Semester Project: Group Submission Portfolio for grading.

The same semester project group grade will be assigned to all group members.

2.2 Individual submissions

In addition to the group submission, each student must submit an individual semester project submission portfolio.

2.3 Semester Project: Grading

The **final semester project grade** assigned to each student **comprises two grading components**:
--) 1: **Group** semester project grades: **50%**
--) 2: **Individual** semester project grades: **50%**

3. Group Submission Portfolio

Each group must submit the following documents as the items of its group submission portfolio:

1. A document knowledge base of 100 PDF files of a selected domain expertise field
2. Semester Project: Business and Technical Requirements (HW 4)
3. Semester project: System Analysis (HW 5)
4. Semester project: System Design: High-Level Design (HW 5)
5. Semester project: System Design: Detailed Design (HW 5)

6. Semester project: CODE
    a. Jupyter Notebook 1: PHASE 1 – PHASE 4
    b. Jupyter Notebook 2: PHASE 1 – PHASE 9
    c. Jupyter Notebook 3: PHASE 1, 2, 3, and PHASE 10 (Clean up the system)

    IMPORTANT NOTES:
    *--) To be accepted, the group must **run code in every cell** of a notebook to show the results.*

7. Semester project: Final Report
    a. The group submits the **semester project final report** using a provided **template**
    b. The report must include information about each group member's contribution to the project throughout the semester.

4. Group Submission Portfolio: Grading (100 Points)

1. A knowledge base of 100 PDF files of a selected domain expertise field: **5 Points**
2. Semester Project: Business and Technical Requirements (HW 4): **5 Points**
3. Semester project: System Analysis (HW 5): **5 Points**
4. Semester project: System Design: High-Level Design (HW 5): **5 Points**
5. Semester project: System Design: Detailed Design (HW 5): **5 Points**

6. Semester project: CODE: **50 Points (three notebooks)**
    a. Jupyter Notebook 1: PHASE 1 – PHASE 4 → **20 Points**
    b. Jupyter Notebook 2: PHASE 1 – PHASE 9 → **20 Points**
    c. Jupyter Notebook 3: PHASE 1, 2, 3, and PHASE 10 → **10 Points**

    IMPORTANT NOTES:
    *--) To be graded, the group must **run code in every cell** of a notebook to show the results.*

7. Semester Project: Q&A Search System: Prompts and Responses (**template**): **10 Points**
8. Semester project: Final Report (**template**): **15 Points**

5. HOWTO Submit

The group must submit the Group Submission Portfolio to the OneDrive group folder.

After the group has submitted the portfolio, the group leader must inform the instructor about the submission by emailing the instructor (Thuan.Nguyen@unt.edu).

Due date & time: 8:00 AM – Monday 04/28/2025

IMPORTANT NOTES:

*--) Every group member **must attend** the **FINAL CODE REVIEW** on **Monday 04/28/2025** to get credits for group gradings.*