

INFX 435/INFX 531
Semester Group Project – Spring 2023
TOTARO

(Revised: January 17, 2023)

Worth: 25% of course grade

SEGMENT 1

Using Oracle Database, each team member shall fully design, implement, and document a database “backend” solution, as per specifications posted for the following (see Moodle):

- *Case A. Financial Loan Case, (excluding Forms and Reports)*
- *Case B. Job Cost Case, (excluding Forms and Reports)*
- *Case C. Jones Engineering Case, (excluding Forms and Reports)*
- *Case D. Volunteer Information Case, (excluding Forms and Reports)*
- *Case E. Student Loan, Ltd. Case (excluding Forms and Reports)*

Deliverables for this segment of the project include the following:

- Case description
- Workflow
- Business Rules
- Conceptual data models (i.e., ERDs, etc.)
- Schema(s) and normalized tables
- Populated data in tables
- Technical Manual (report) for DB backend

Team members’ work for this first segment of the project must be completed and submitted (via Moodle upload) by no later than class time, as indicated on our Moodle page.

SEGMENT 2

Using any tool(s) of environment you wish (e.g., Python, MS Access, PHP, Java, or some comparable toolset), each team member shall “inherit” an implemented database from another team member (see Segment 1 above), and then design and develop a “front-end interface” (i.e., Forms and Reports), that meets all the requirements from the “inherited” project case.

Deliverables for this segment of the project include the following:

- Case description
- Combination Technical and User Manual (including screenshots) with full narrative about the Forms/Reports that comprise the user interface.
- A 10-15 minute “training video” (YouTube, Vimeo, etc.) that demos the completed database solution. Be sure to include clear narration in the video.

This segment of the project must be completed and submitted (via Moodle upload) no later than class time, as indicated on our Moodle page.