

Project 2 Report

- Cover page: Project Name, Student Name, Student ID, Due Date
- Introduction
 - Project Overview: Describe the background, scope, and motivation of the project
 - Database Design: Describe the design of the database
 - Updated portion in the database from Project 1 (if any): List and describe in detail about what changes and updates you have made to the database
- Functional Requirements
 - List (no need to describe) the entities in the database system, but do describe the new entities if any
- Entity Relationship
 - ER diagram: Present (no need to describe) your (new) ER diagram, make marks on the new changes in the ER diagram
 - UML diagram (no hand-drawn): Present (no need to describe) your (new) UML diagram, make marks on the new changes in the UML diagram
- Proof of BCNF: Prove that all tables in your database are in BCNF. You do not need to demonstrate it on every table, but do justify and summarize, especially on the new tables if any.
- Table Information: Present each table and its columns/attributes (no need to show the data), mark the new tables
- Application Programming Interface (API) Implementation: This section should include both descriptions and demonstrations (screenshots with explanations) of each function. They do not need to be in a particular order when presented
 - Stored Procedures
 - Definitions and usages/functions
 - Describe how stored procedures work in your system and include your list of stored procedures with their descriptions
 - Demonstrations (with screenshots)
 - User Authentication:
 - Definitions and usages/functions
 - Describe how user authentication works in your system and include your list of users and their access privileges (i.e., password)
 - Demonstrations (with screenshots)
 - Views:
 - Definitions and usages/functions
 - Describe how views in your system and include your list of views with their descriptions
 - Examples (with screenshots)
 - Indexes:
 - Definitions and usages/functions

- Describe how indexes work in your system and include your list of indices with their descriptions
 - Examples (with screenshots)
- Role Based Access
 - Definitions and usages/functions
 - Describe how role-based access works in your system and include your list of roles created with their descriptions
 - Demonstrations (with screenshots)
- Audit Trails
 - Definitions and usages/functions
 - Describe how audit trails work in your system and include your list of audit tables created with their descriptions. You do not need to create an audit table for all tables in your database, but do justify the ones that you chose
 - Demonstrations (with screenshots)
- Tools Used
- References if any