

Instructions for doing subject project

Each group chooses 1 topic (4 students / 1 group)

- I. Project specification: Brief description
 - What data should the project use?
 - - What functions does the topic need?
- II. Database design: Based on the specification of the topic
 1. Conceptual level design: From the description of the required data above → draw the ER diagram
 2. Logic level design: convert the ERD obtained above to the relational model
 3. State the required constraints
 4. Create the database and Constraints: (Copy the SQL code and put it here)
 1. Create tables and simple constraints.
 2. ...
 3. Write triggers that checks for complex constraints
- III. Create funtions (Write SQL procedures and functions that use views and triggers)
 1. Database connection
 2. Add data to the table. . .
 3. Xóa dữ liệu trong bảng. . .
 4. Edit data in the table. . .
 5. Calculate the cumulative GPA of each student (for example)
 6. Calculate the total cumulative credits of each student (for example)
 - . . .
- IV. Create users, grant and revoke of Privileges (write as procedure/function/trigger in SQL code)
- V. Create an winform interface on it there are menus or command buttons that do the work in the above items