Modules:

- ❖ UI (in every page)
    - ➢ Welcome Message
    - ➢ Sign Out
    - ➢ Back
    - ➢ About
- ❖ Student
    - ➢ Sign In
        - ■ Accept User credentials, validate against DB. If invalid, return error
        - ■ Navigate Student to "CREATE…" page
    - ➢ Sign Up (registering NEW student)
        - ■ Collect User input, validate the input and save it in DB
        - ■ Create a new Student
        - ■ Set studentID as the first part of email
        - ■ Allow Student to Login with credentials created (display request message)
        - ■ Navigate Student to "CREATE…" page
- ❖ Class Organizer
    - ➢ Assignments
        - ■ Collect NEW Assignment from Student for corresponding class, validate whether assignment already exists. If invalid, return error. If valid, save in DB. **(CREATE/UPDATE)**
        - ■ Collect NEW Course from Student, validate whether assignment already exists. If invalid, return error. If valid, save in DB.
        - ■ Remove Assingment and/or Course if Student deletes **(DELETE)**
        - ■ Retrieve all assignments logged from DB when Show Functionality is enabled. **(READ)**
        - ■ Retrieve assignments from DB for class chosen by Student.
        - ■ Sort assignments by due date in DB.
        - ■ Send email provided by Student stored in the DB 5 days and 2 days before an assignment is due.
- ❖ To-Do List
    - ➢ Collect NEW Task, validate against DB. If invalid, return error. If valid, save in DB.
    - ➢ Remove Task if Student deletes **(DELETE)**