PH UNIVERSITY

Functional Requirements:

1. **Authentication**
   a. **Student**
      i. Student can login and logout
      ii. Student can update their password
   b. **Faculty**
      i. Faculty can login and logout
      ii. Faculty can update their password
   c. **Admin**
      i. Admin can login and logout
      ii. Admin can update their password

2. **Profile Management**
   a. **Student**
      i. Student can manage and update their profile
      ii. Student can update certain fields
   b. **Faculty**
      i. Faculty can manage and update their profile
      ii. Faculty can update certain fields
   c. **Admin**
      i. Admin can manage and update their profile
      ii. Admin can update certain fields

3. **Academic Process**
   a. **Student**
      i. Student can enroll in offered courses for a specific semester
      ii. Student can see their class schedule
      iii. Student can see their grades
      iv. Students can view notice board and events
   b. **Faculty**
      i. Faculty can manage students grades
      ii. Faculty can access student's personal information and academic information
   c. **Admin**
      i. Admin can manager multiple process:
         1. Semester
         2. Course
         3. Offered Course
         4. Section
         5. Room
         6. Building

4. **User Management**
   a. **Admin**
      i. Admin can manage multiple accounts
      ii. Admin can block/unblock user
      iii. Admin can change user password

Data Model

User:

- ☐ _id
- ☐ id (Generated)
- ☐ password
- ☐ needsPasswordChange
- ☐ role
- ☐ status
- ☐ isDeleted
- ☐ createdAt
- ☐ updatedAt

Student:

- ☐ _id
- ☐ id (Generated)
- ☐ user
- ☐ name
- ☐ gender
- ☐ dateOfBirth
- ☐ email
- ☐ contact
- ☐ emergencyContact
- ☐ presentAddress
- ☐ permanentAddress
- ☐ guardian
- ☐ localGuardian
- ☐ profileImage
- ☐ academicDepartment
- ☐ isDeleted
- ☑ ~~status~~
- ☑ ~~password~~
- ☑ ~~needsPasswordChange~~
- ☑ ~~role~~
- ☑ ~~createdAt~~
- ☑ ~~updatedAt~~

Faculty:

- ☐ _id
- ☐ id (Generated)
- ☐ user
- ☐ designation
- ☐ name

- ☐ gender
- ☐ dateOfBirth
- ☐ email
- ☐ contact
- ☐ emergencyContact
- ☐ presentAddress
- ☐ permanentAddress
- ☐ profileImage
- ☐ academicFaculty
- ☐ academicDepartment
- ☐ isDeleted
- ☑ ~~password~~
- ☑ ~~needsPasswordChange~~
- ☑ ~~role~~
- ☑ ~~status~~
- ☑ ~~createdAt~~
- ☑ ~~updatedAt~~

Admin:

- ☐ _id
- ☐ id (Generated)
- ☐ user
- ☐ designation
- ☐ name
- ☐ gender
- ☐ dateOfBirth
- ☐ email
- ☐ contact
- ☐ emergencyContact
- ☐ presentAddress
- ☐ permanentAddress
- ☐ profileImage
- ☐ managementDepartment
- ☐ isDeleted
- ☑ ~~password~~
- ☑ ~~needsPasswordChange~~
- ☑ ~~role~~
- ☑ ~~status~~
- ☑ ~~createdAt~~
- ☑ ~~updatedAt~~

API Endpoints

User:
- [ ] users/create-student (POST)
- [ ] users/create-faculty (POST)
- [ ] users/create-admin (POST)

Auth:
- [ ] auth/login
- [ ] auth/refresh-token
- [ ] auth/change-password
- [ ] auth/forgot-password
- [ ] auth/reset-password

Student:
- [ ] students (GET)
- [ ] students/:id (GET)
- [ ] students/:id (PATCH)
- [ ] students/:id (DELETE)
- [ ] students/my-profile

Faculty:
- [ ] faculties(GET)
- [ ] faculties/:id (GET)
- [ ] faculties/:id (PATCH)
- [ ] faculties/:id (DELETE)
- [ ] faculties/my-profile

Admin:
- [ ] admins(GET)
- [ ] admins/:id (GET)
- [ ] admins/:id (PATCH)
- [ ] admins/:id (DELETE)
- [ ] admins/my-profile