Course Management

Group 3

- LE TRAN QUOC BAO
- NGUYEN VIET HUNG
- LE DINH NAM
- VO THI THANH QUY
- HUYNH THI HOAI AN

INTRODUCTION

In the era of modern information technology, managing courses in a college requires strict and effective organization. To meet this need, "FPT College" has deployed an advanced and comprehensive Course Management System. This system is not only an information management tool but also an interaction platform between students, lecturers and management.

Table Of Contents

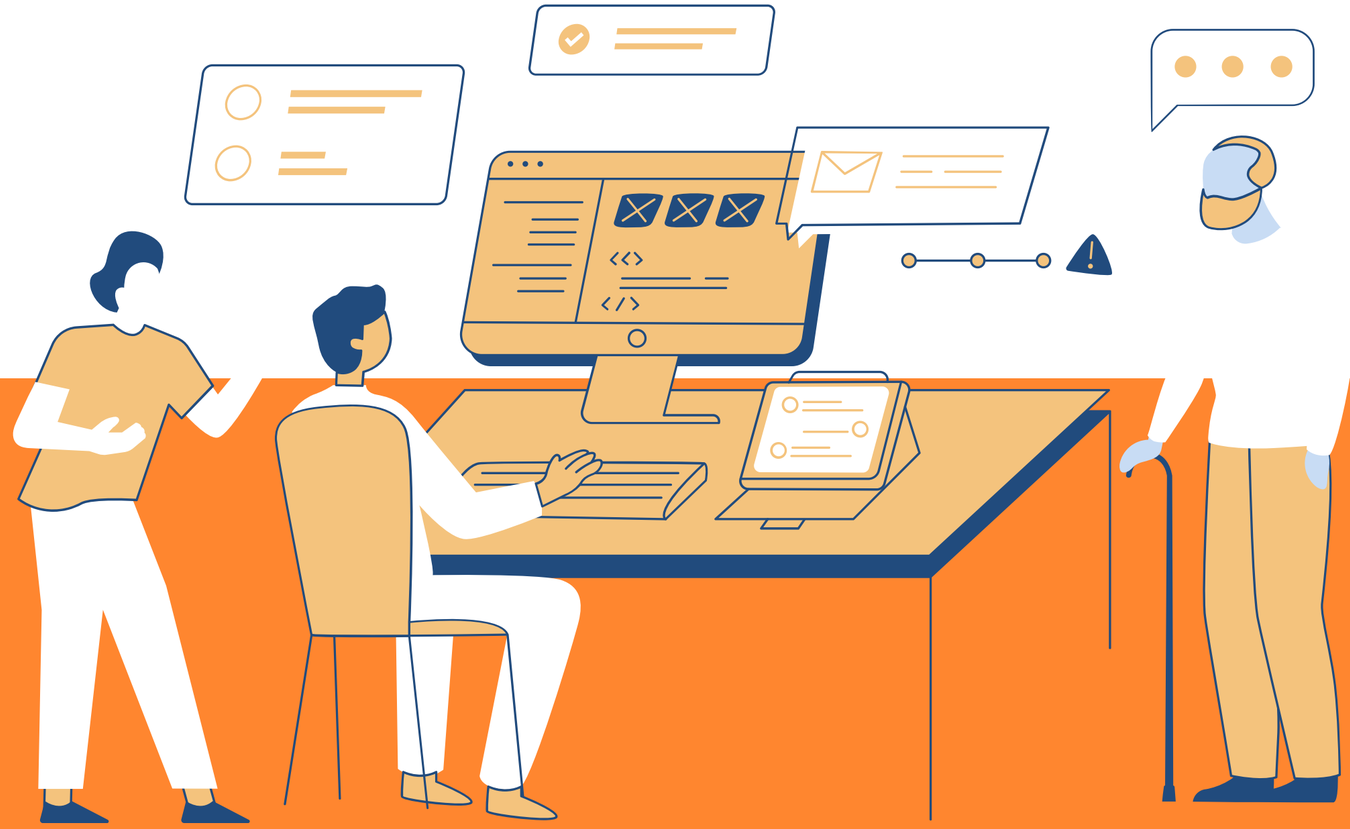
01 INTRODUCTION

02 SYSTEM ANALYSIS AND DESIGN

03 DEPLOY-DEMO

04 CONCLUSION OF DEVELOPMENT DIRECTION

SYSTEM ANALYSIS AND DESIGN



Actor and Role

Administrator: The highest manager in the system, has the right to access and manage all components in the system.

Teachers: View and search assigned courses. Edit information related to courses. Assign students to courses.

Staff training: Manage categories and courses such as viewing, searching, creating, editing and deleting. Assign a teacher to the course. Assign students to the course.

Students: Log in with a username and password created by the Administrator or Academic Staff. View and search course listings. See details about courses. Participate in assigned courses.

- **Functions for Admin:**

+ User management: Create, edit, and delete user accounts.

+ Assign access rights to different roles.

+ Course management: Create, edit, and delete courses.

+ Add, update and delete course information (name, description, schedule, materials).

+ Categorize and organize courses by category.

+ Manage lecturers and students: View and manage personal information of lecturers and students.

- **Functions for Training Staff:**

+ Manage categories and courses: Add, edit, delete categories and courses.

+ Categorize and organize courses into categories.

+ Assign instructors and students: Assign instructors to courses.

+ Assign students to courses. View and manage student information:

+ View a list of students and their personal information.

Functional

- **Functions for Teachers:**

+ Course management: view the list of assigned courses. Edit information and content of courses.

+ Assign students: Assign students to courses.

+ View and manage personal information: View and update personal information, including personal profile, contact information, etc.

- **Functions for Students:**

+ View and join courses: View a list of assigned courses. See detailed information about courses.

+ Participate in courses and learning activities.

+ Class management: View information about the classes students have taken, including schedules, content, and more.

+ Information management: View and update personal information, including personal profile, contact information, etc.

Functional

Non- Functional

- **User interface**

The interface displays well on different devices. For visitors using the system via a web browser, the system will receive an access request from the client through the browser and send back to the browser functional menus corresponding to the scope of each function user.

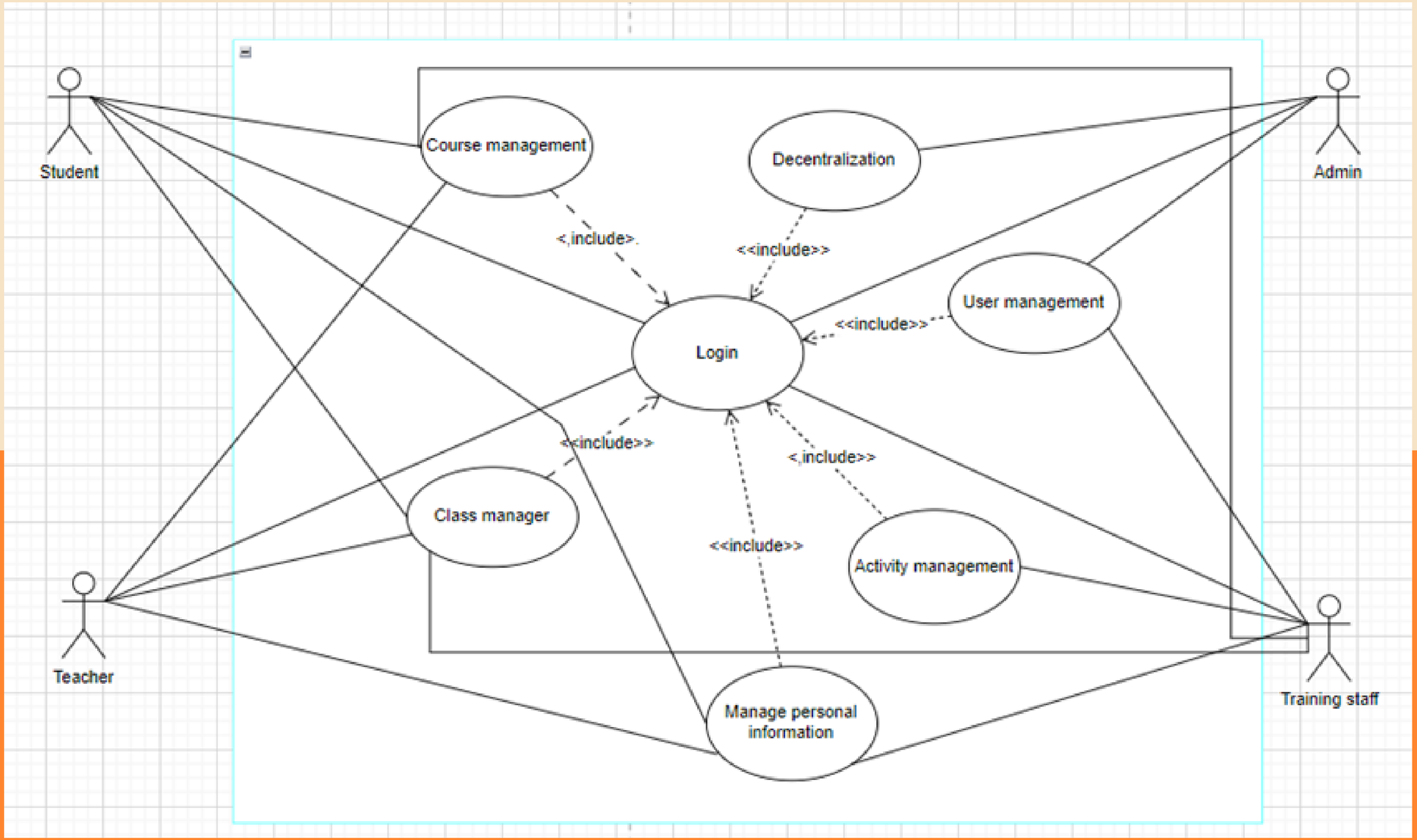
- **Confidentiality**

Users can only use functions and access data appropriate to that user's role.

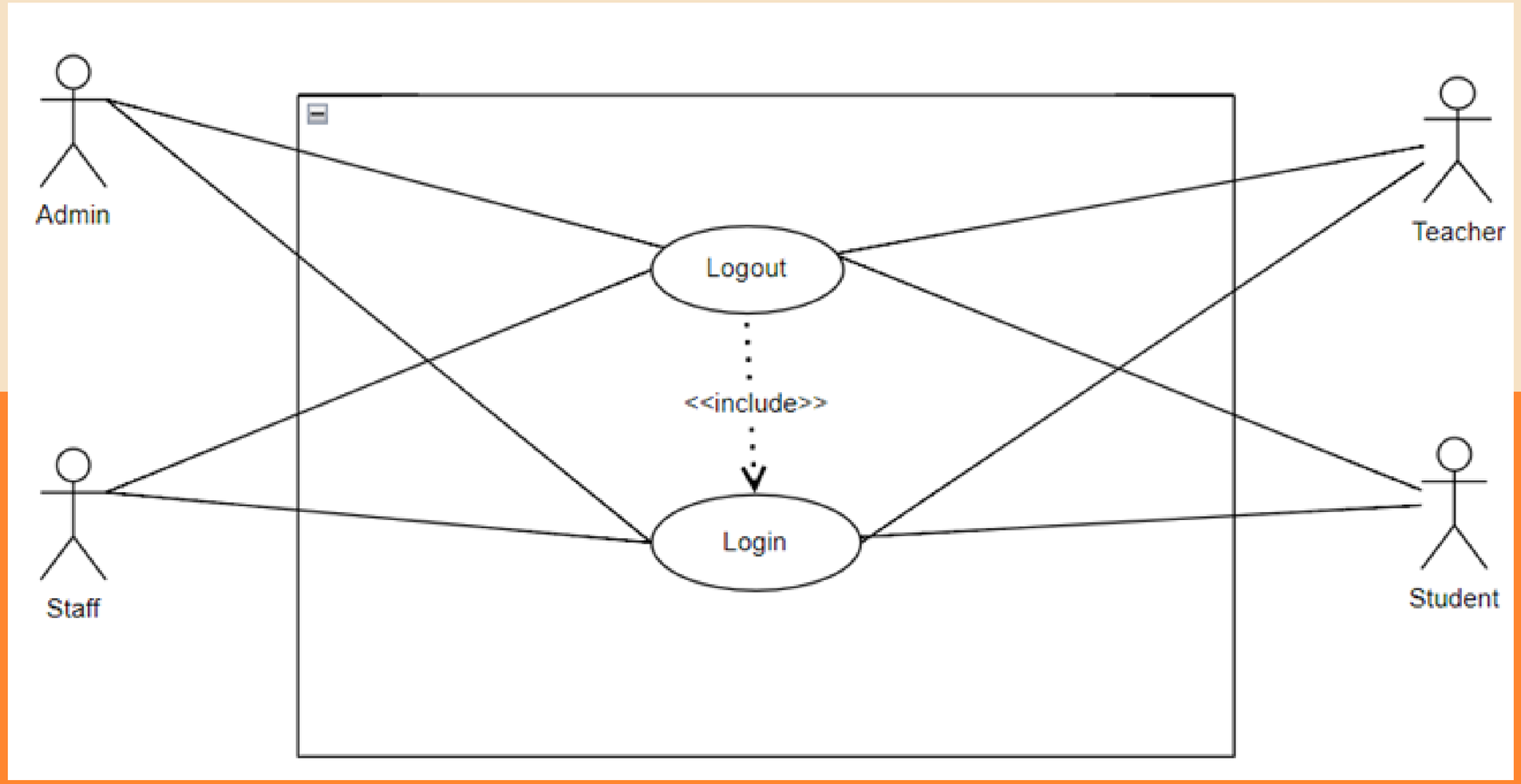
- **Constraints**

ELCs are Web-based systems, so users need devices connected to the internet

On the client side – Google Chrome, Internet Explore, Mozilla Firefox, and Opera with the latest version that supports JavaScript.



Use Case Diagram



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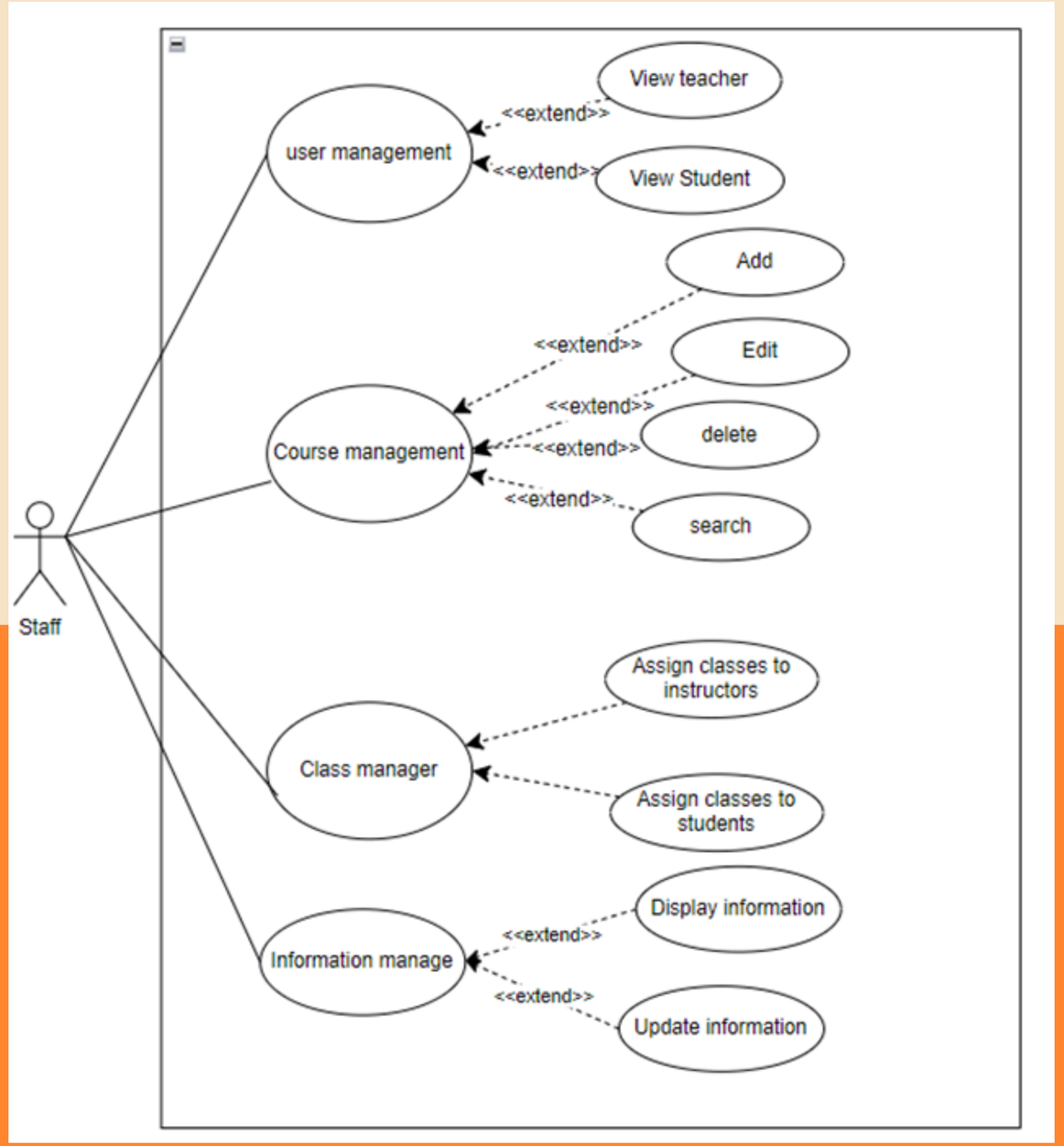

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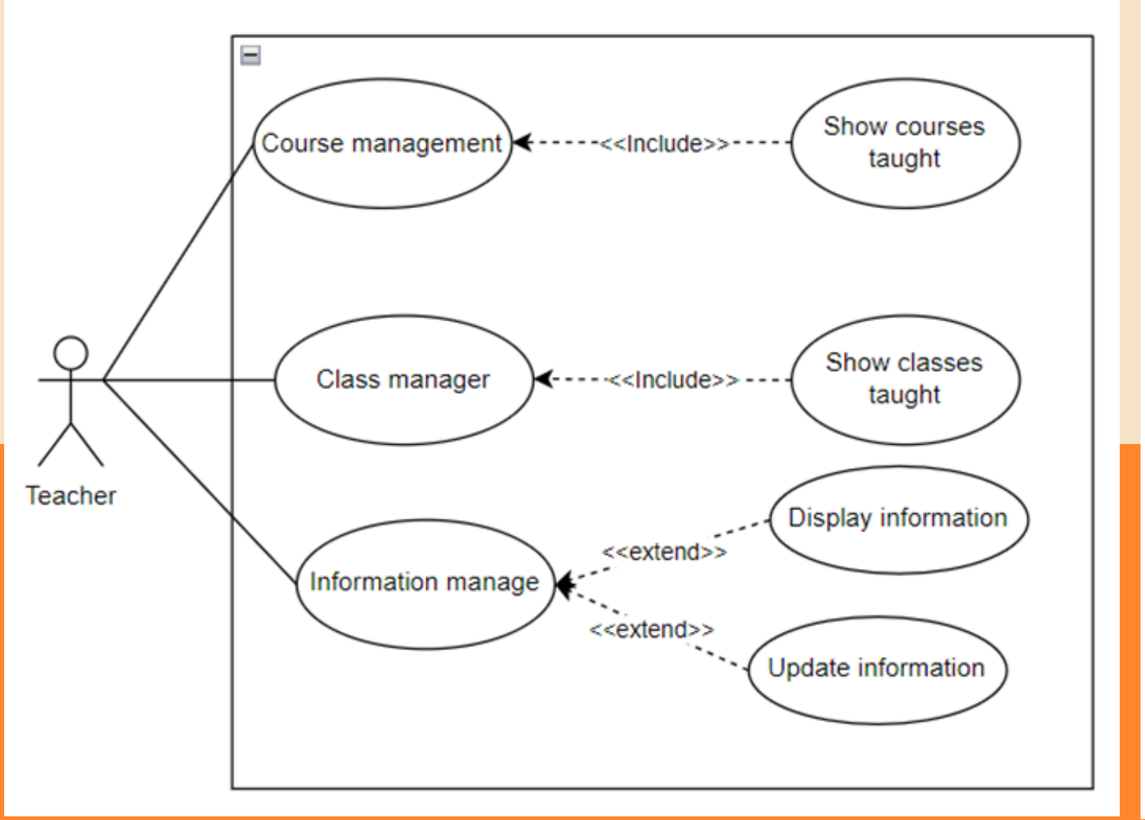

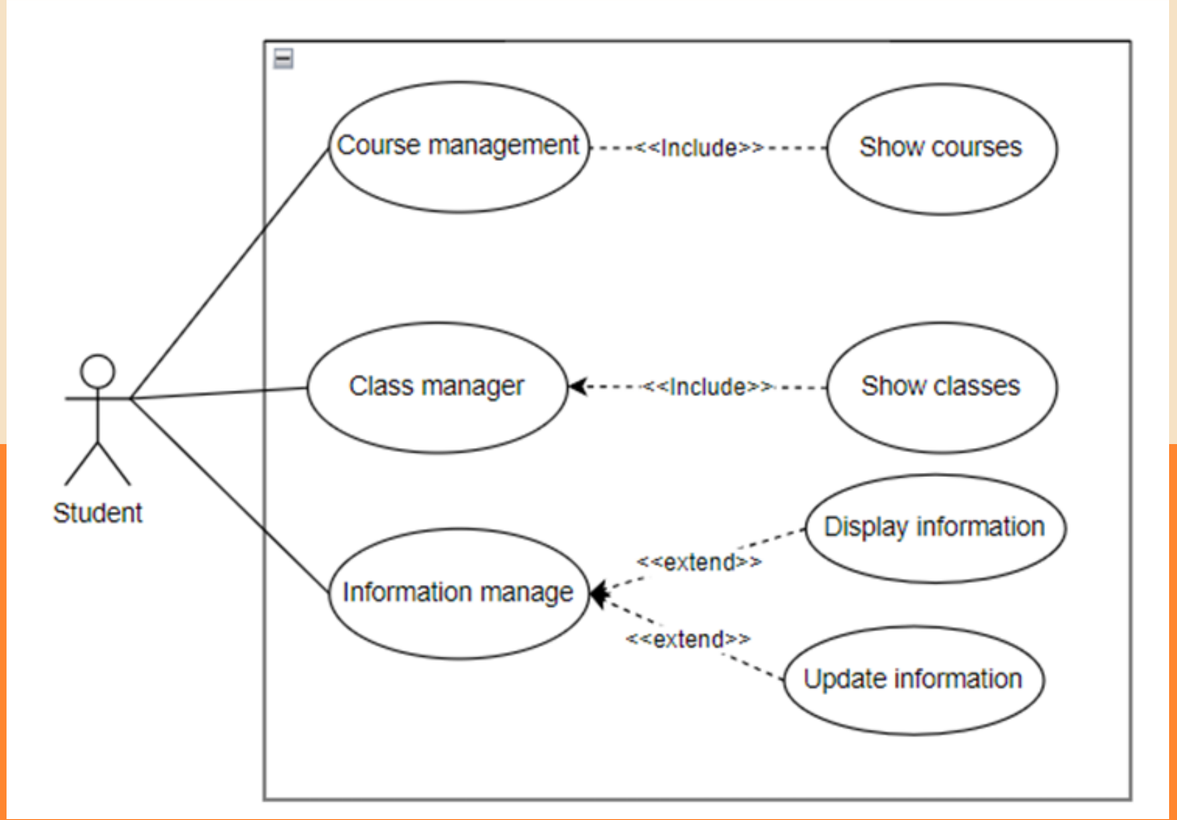

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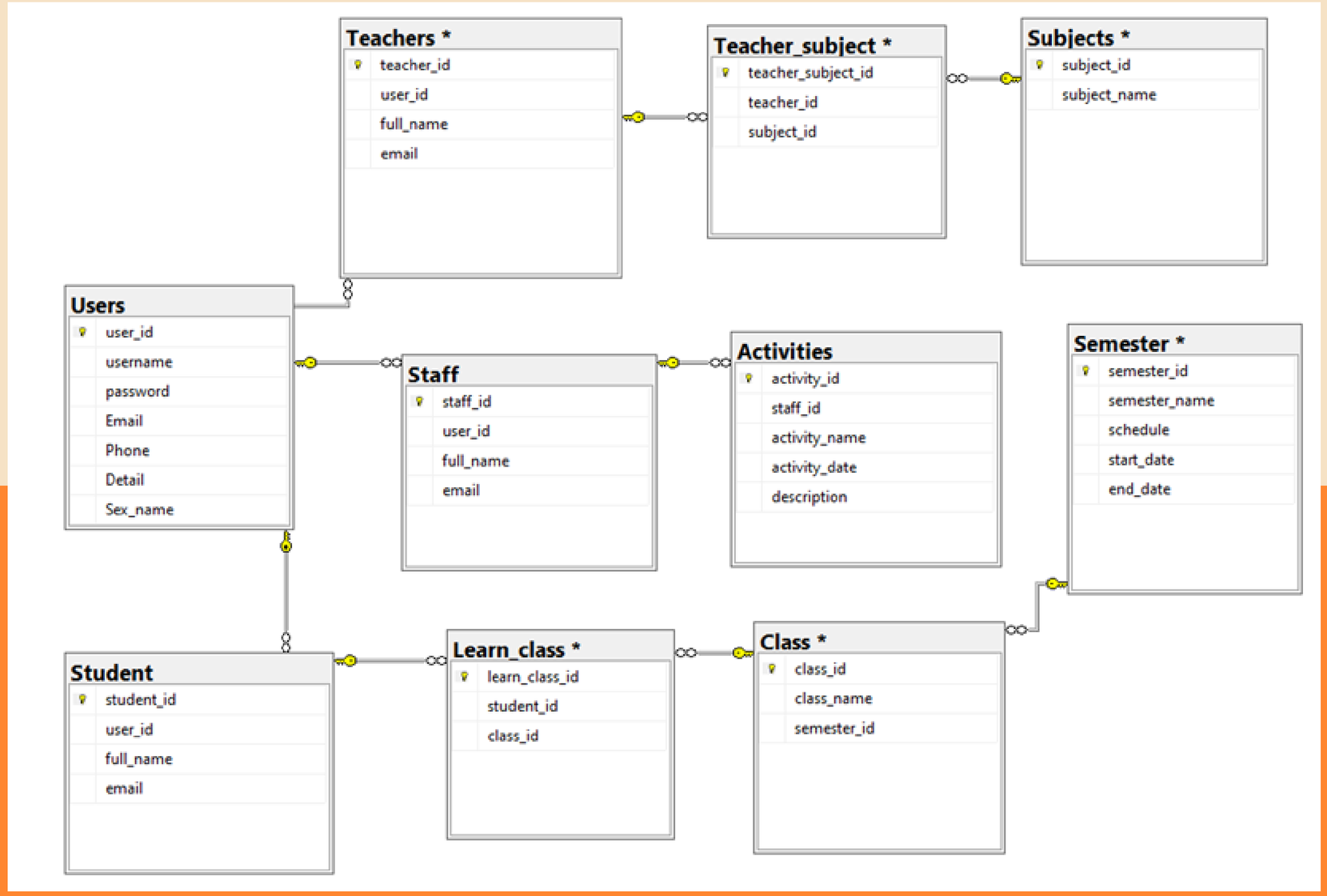
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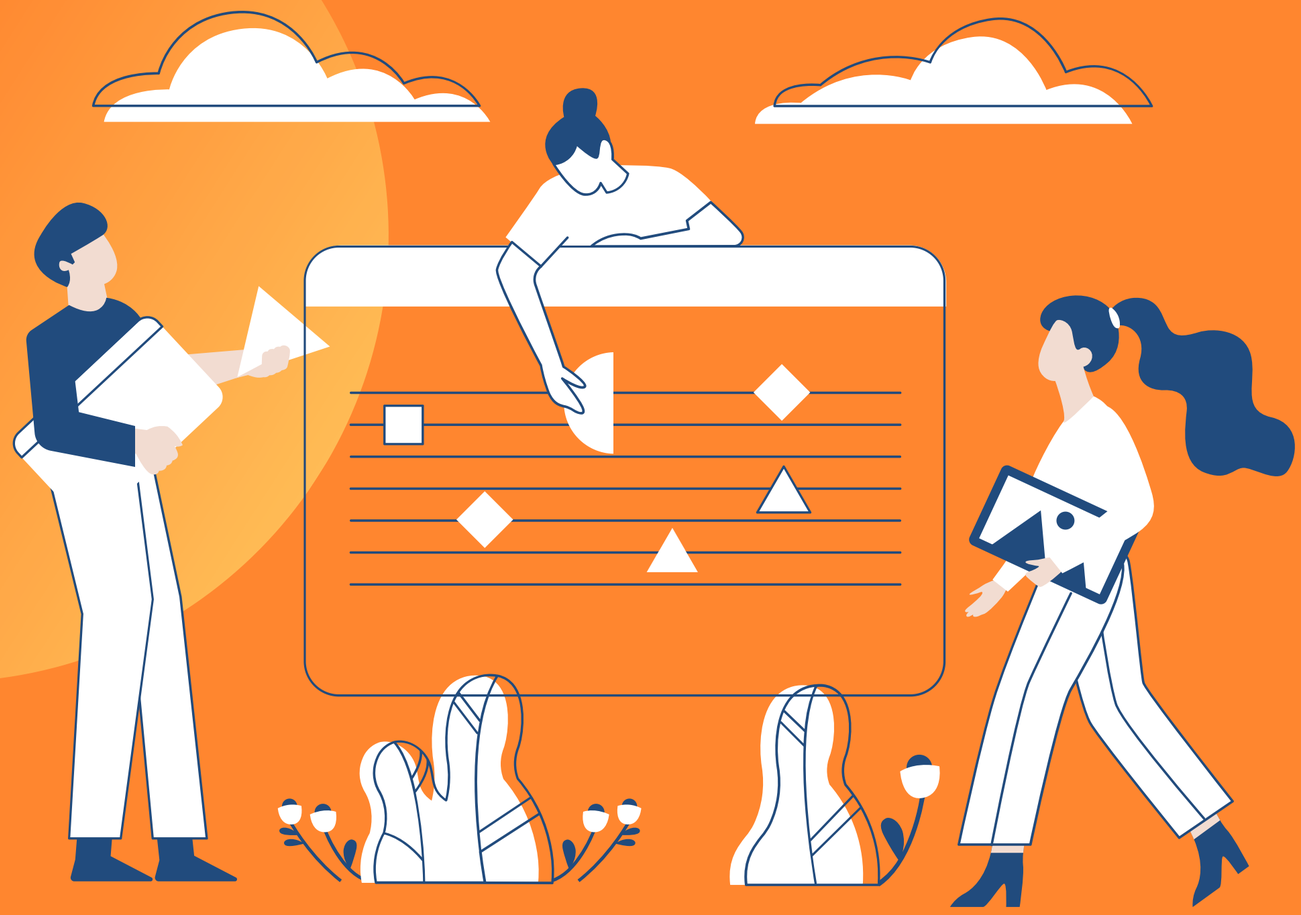
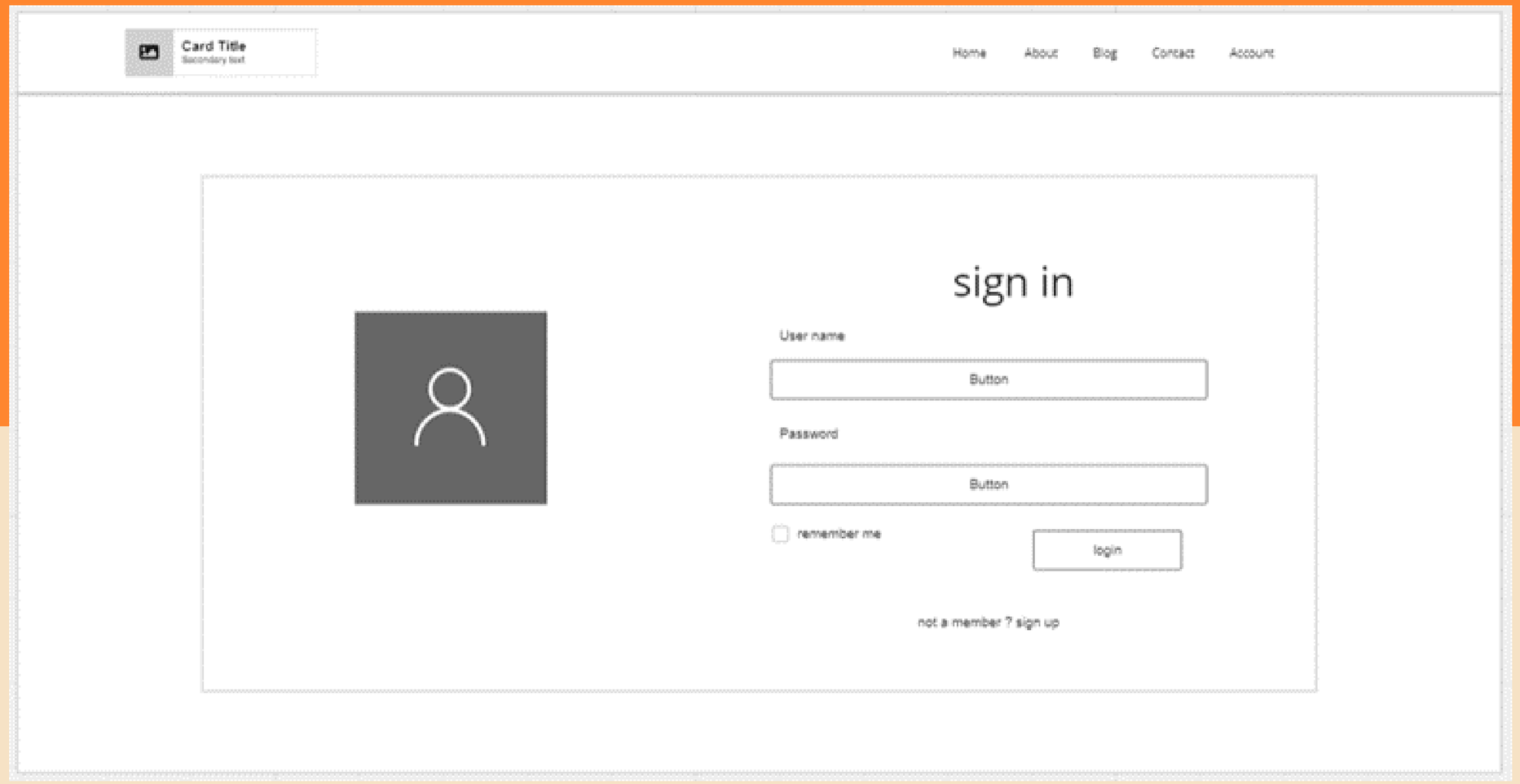
ERD Diagram

DEPLOY-DEMO

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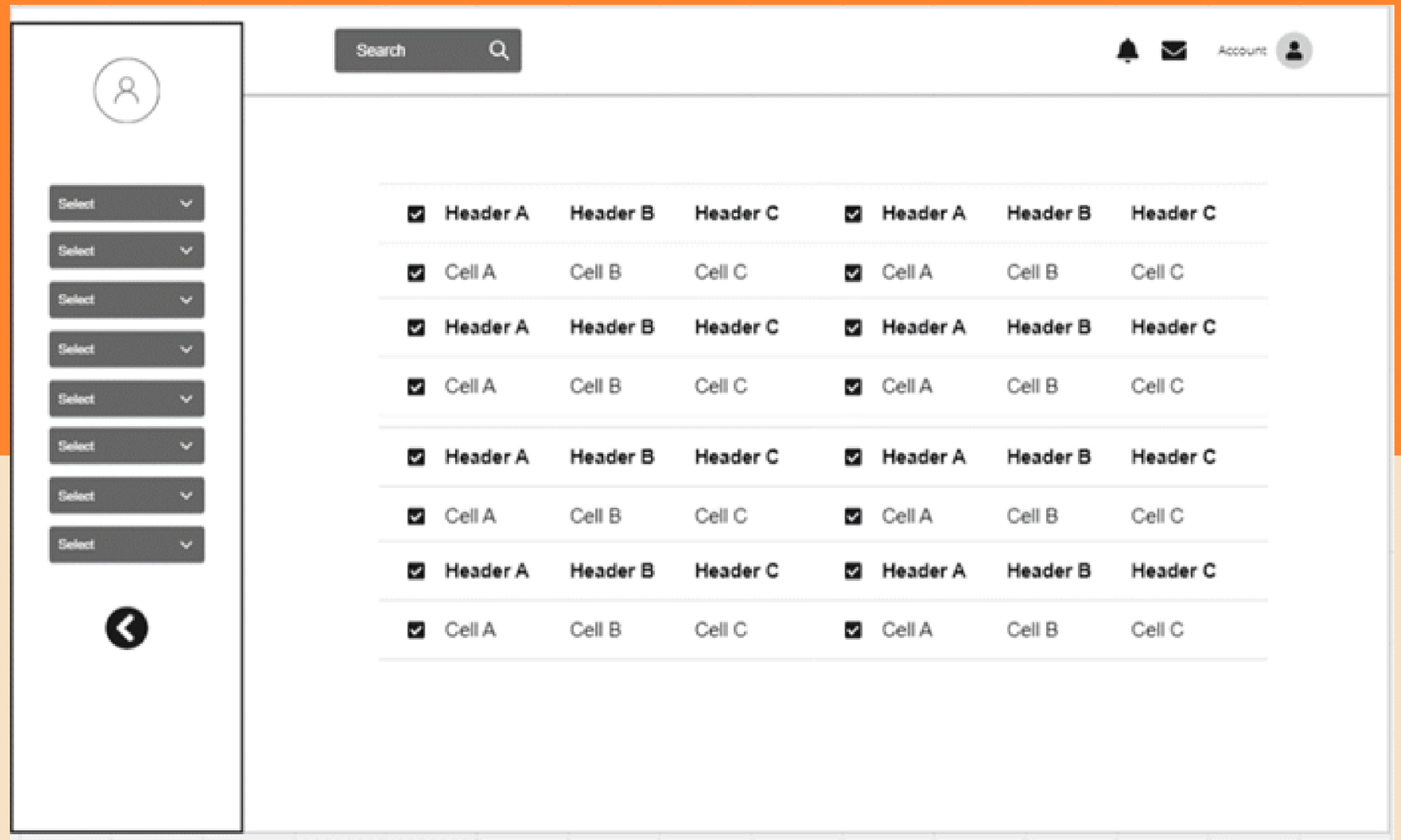
About
Blog
Contact
Account
sign in
User name
Button
Password
Button
remember me
login
not a member ? sign up

Login Page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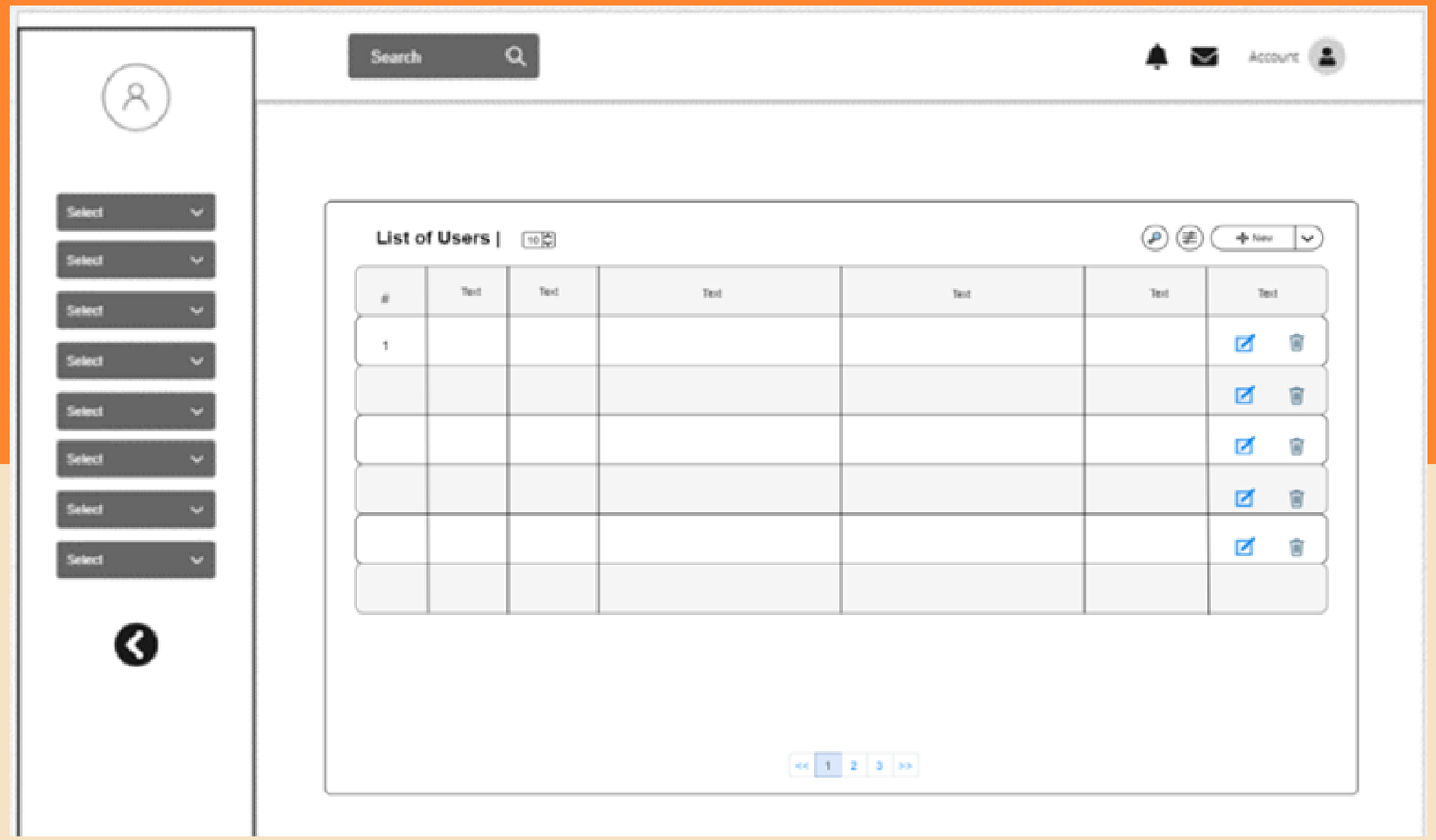
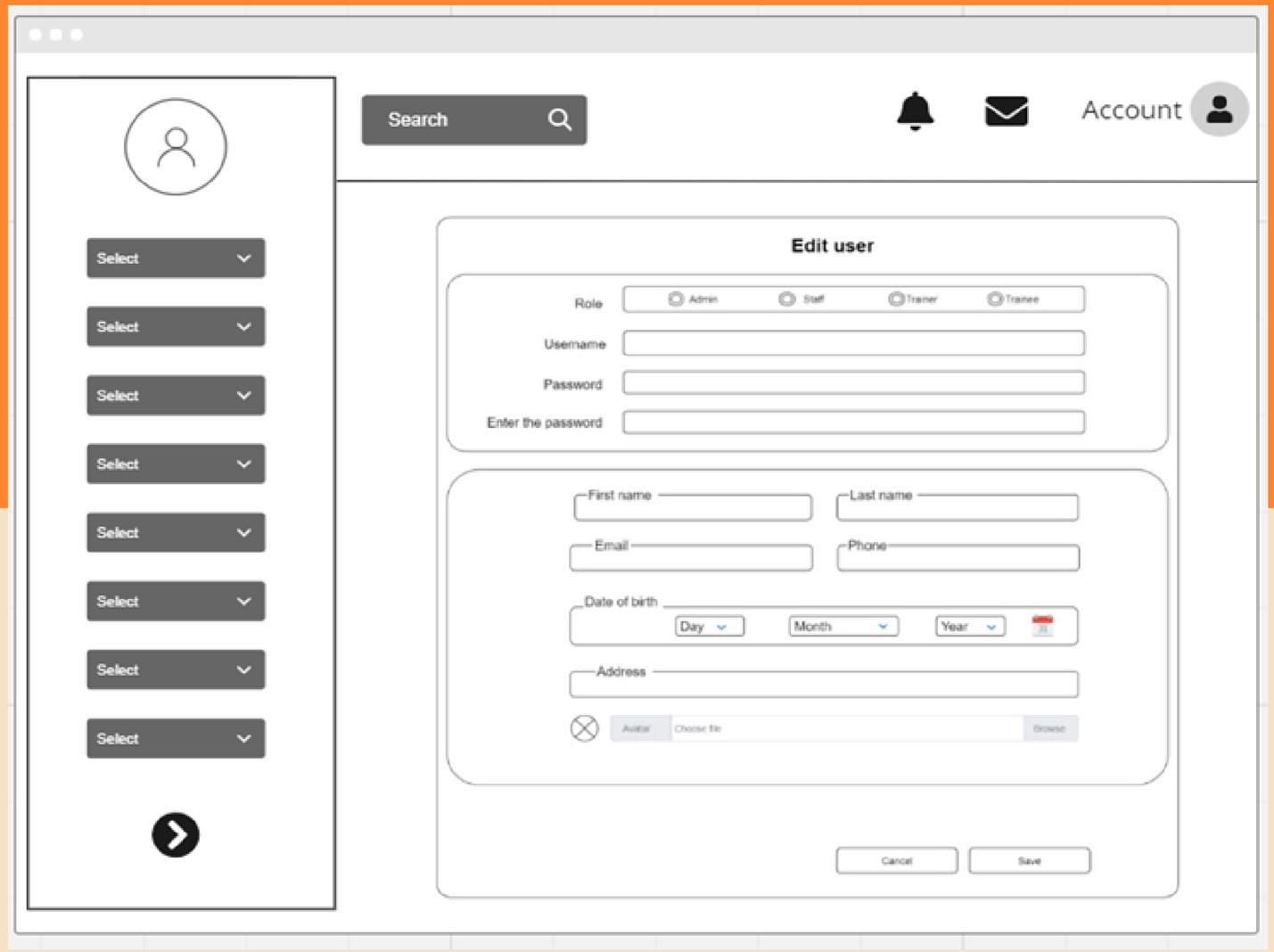
Dashboard



List of Users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Edit user
Role
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Staff
Trainer
Trainee
Username
Password
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Choose file
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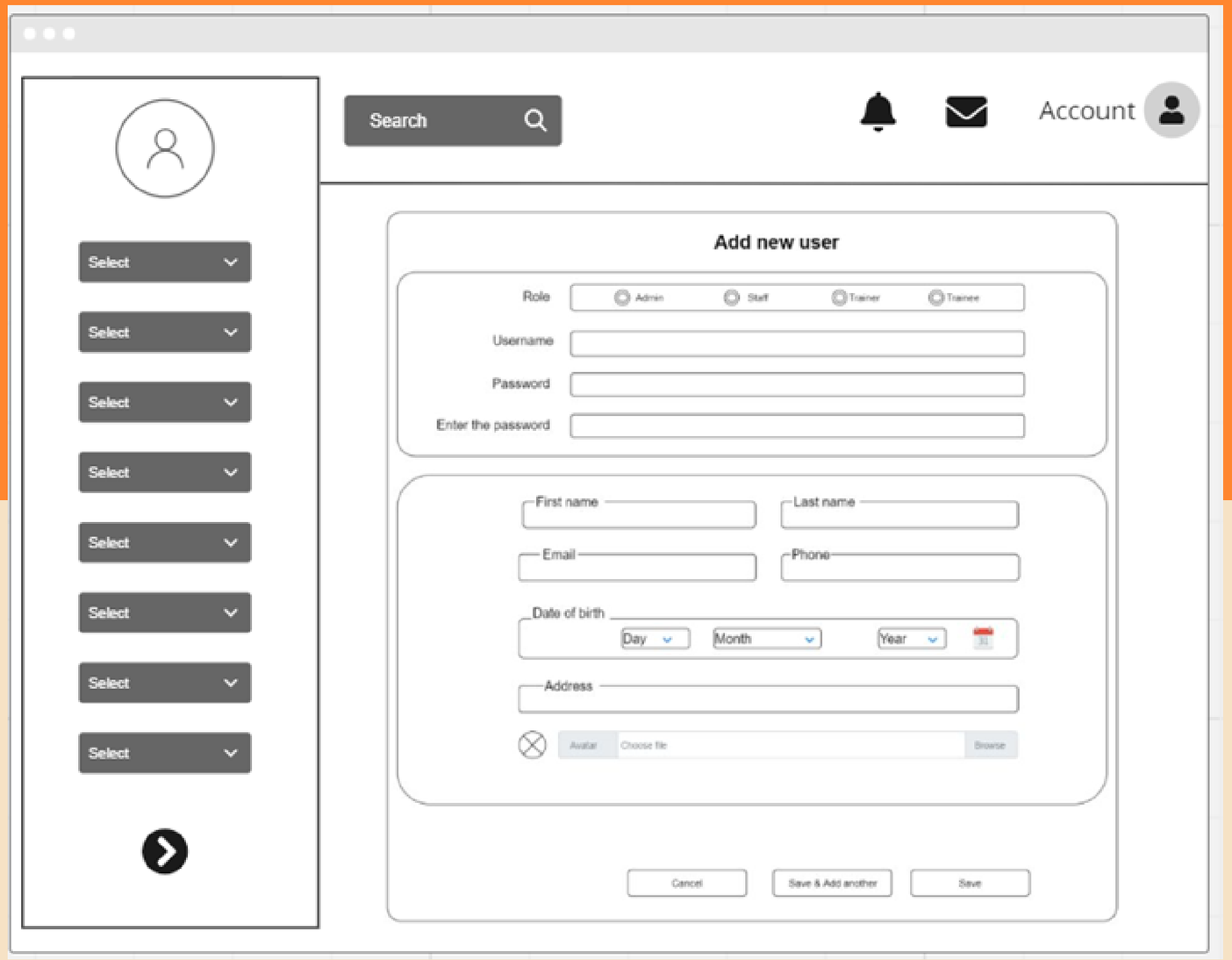
Cancel
Save

Edit User


Search
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Select
Add new user
Role
Admin
Staff
Trainer
Trainee
Username
Password
Enter the password
First name
Last name
Email
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Date of birth
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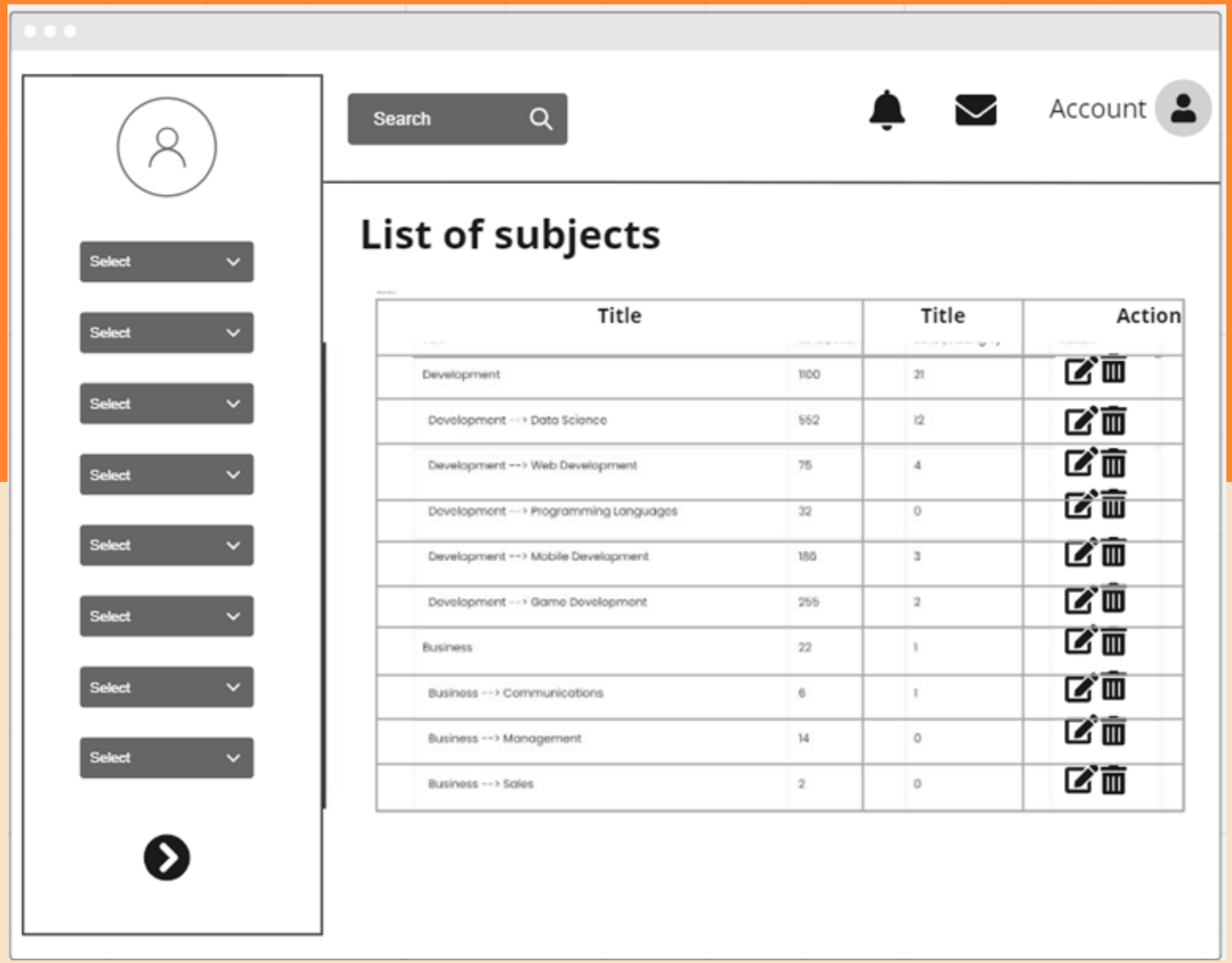
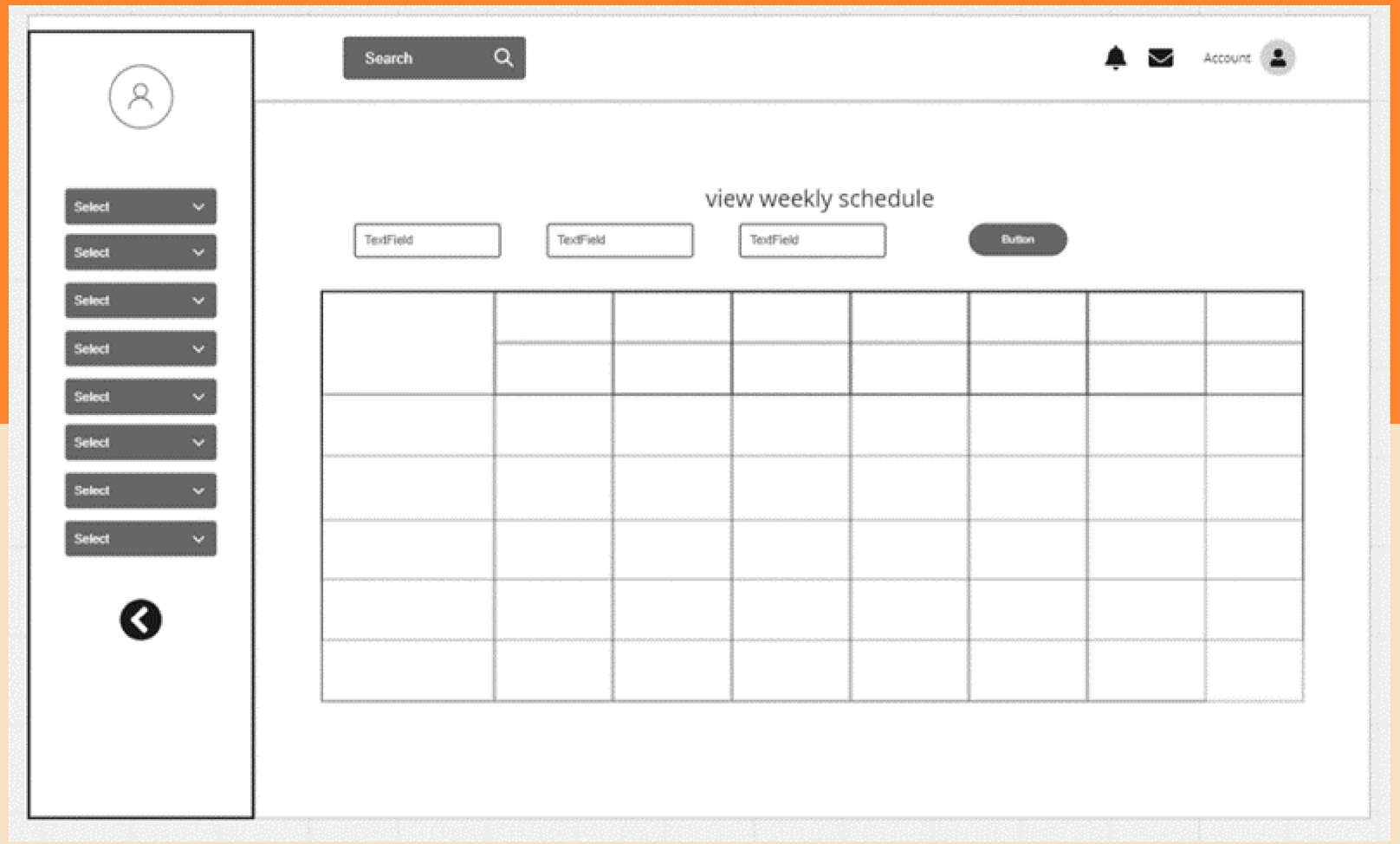
Year
Address
Avatar
Choose file
Browse
Cancel
Save & Add another
Save

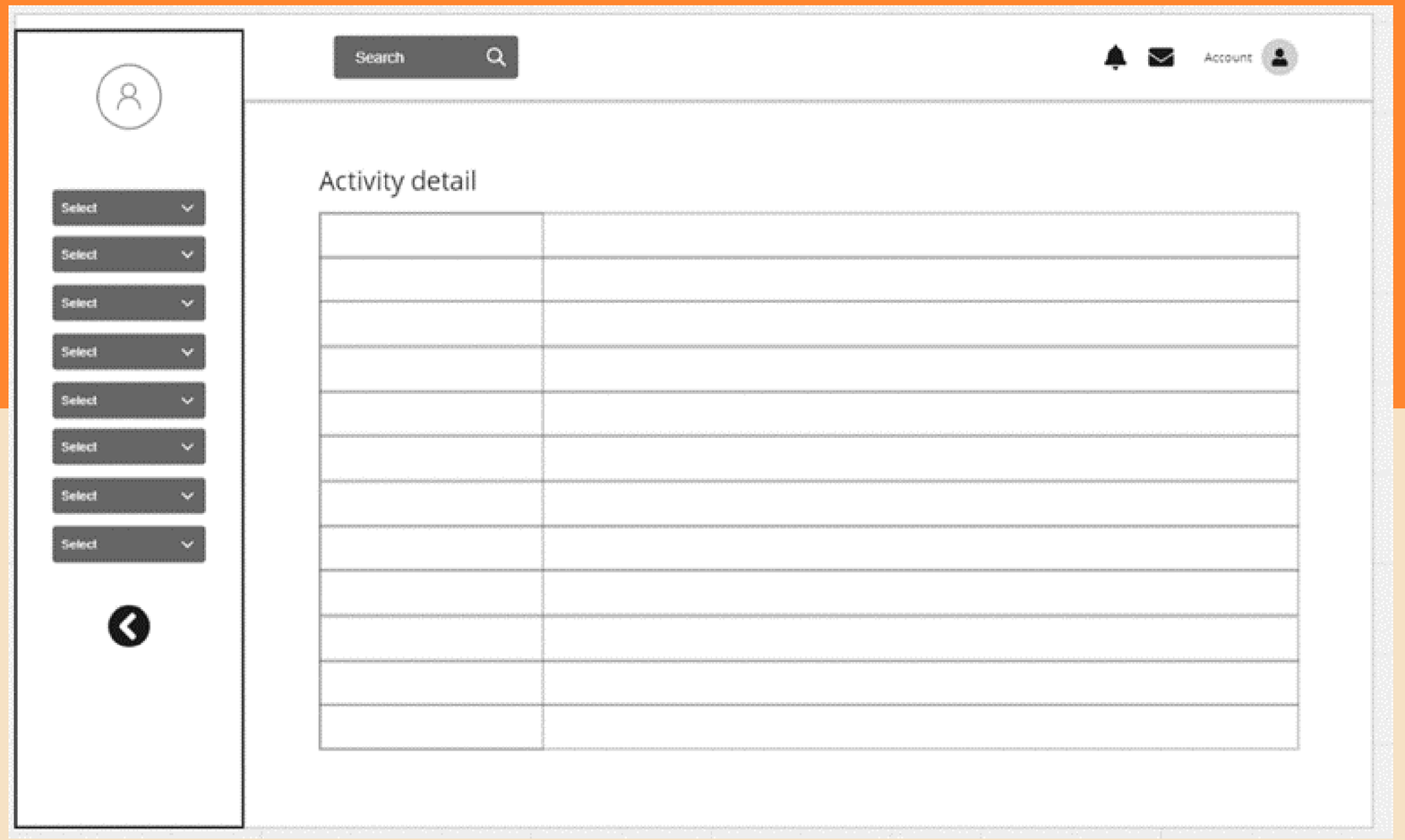
Add new User



List of Subjects

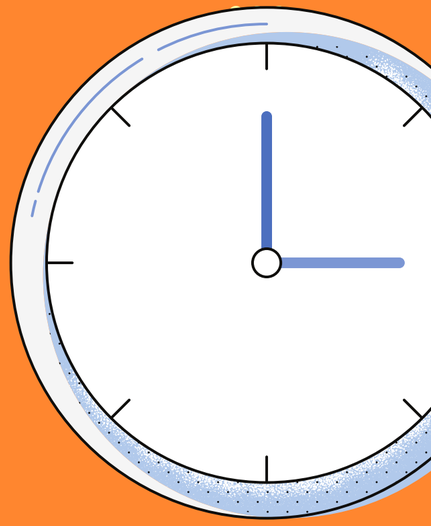


List of Subjects



Activity detail

CONCLUSION



In conclusion, the implementation of the advanced Course Management System at FPT College marks a significant stride towards enhancing the efficiency and effectiveness of educational processes in the modern era of information technology. By seamlessly integrating information management with interactive platforms for students, lecturers, and management, the system not only streamlines administrative tasks but also fosters a conducive environment for optimized teaching and learning experiences.

Thank you!