



# **TRAINING SUPPORT SYSTEM**

## **Software Requirement Specification**

– Hanoi, August 2022 –

## RECORD OF CHANGES

Date	A* M, D	In charge	Change Description
9/Sep	A	HungNV	Thêm tổng quan và chức năng của hệ thống (I.1.Introduction)
9/Sep	A	ManhPV	Thêm Entity Relationship Diagram
10/Sep	A	DuyDC	Thêm phần function và non-function (I.2.b,d)
10/Sep	A	AnhLH	Thêm phần System functions (Mục a,c)
10/Sep	M	Hoand	Sửa phần I.3.Entity Relationship Diagram
10/Sep	M	HungNV	Thêm chức năng của hệ thống (I.1 .Introduction)
15/9	A	AnhLH	Thêm các màn hình của iter 2 vào mục screen flow (I,2,a)
16/sep	M	ManhPV	Update Entity Relationship Diagram
16/Sep	M	DuyDC	Sửa phần I-2.b,d
16/9	A	AnhLH	Thêm các màn hình của iter 2 vào mục User authorization (I,2,c)
17/9	A	HungNV	Thêm mô tả và hình vẽ cho Home Page (II.1.a)
17/9	A	HungNV	Thêm mô tả và hình vẽ cho Demo Dashboard (II.1.b)
17/9	A	HungNV	Thêm mô tả và hình vẽ cho Login (II.1.c)
18/Sep	A	DuyDC	Thêm các chức năng của iter2 (I.2.b)
18/Sep	A	Hoand	Thêm mô tả cho Password Reset(II.1.d)
18/Sep	A	Hoand	Thêm mô tả cho User register(II.1.e)
18/Sep	A	Hoand	Thêm mô tả cho User profile(II.1.f)
18/Sep	A	ManhPV	Thêm mô tả cho Change Password (II.1.g)
18/Sep	A	ManhPV	Thêm mô tả cho Setting List (II.2.a)
18/Sep	A	ManhPV	Thêm mô tả cho Setting Details (II.2.b)
18/Sep	M	Hoand	Sửa lại description cho Password Reset(II.1.d)
18/Sep	A	AnhLH	Thêm phần mô tả cho Subject details (II.3.b)
18/Sep	A	AnhLH	Thêm phần mô tả cho Web contact list (II.4.a)
18/Sep	A	AnhLH	Thêm phần mô tả cho Web contact details (II.4.b)
18/Sep	A	DuyDC	Thêm phần mô tả User List (II.2.c)
18/Sep	A	DuyDC	Thêm phần mô tả User Details (II.2.d)
18/Sep	A	DuyDC	Thêm phần mô tả Subject List (II.3.a)
25/9/2022	M	ManhPV	Sửa, thêm phần mô tả (II.1.g)
25/9/2022	M	ManhPV	Sửa, thêm phần mô tả (II.2.a)
25/9/2022	M	AnhLH	Sửa phần mô tả cho Web contact details (II.4.b)
25/9/2022	M	AnhLH	Sửa phần mô tả cho Web contact list (II.4.a)
9/Oct	A	HungNV	Thêm mô tả phần System Permission (II.2.e)
9/Oct	A	HungNV	Thêm mô tả phần User Authorization (II.6.a)
9/Oct	A	HungNV	Thêm mô tả phần Eval Criteria Details (II.3.h)

Date	A* M, D	In charge	Change Description
9/Sep	A	HungNV	Thêm tổng quan và chức năng của hệ thống (I.1.Introduction)
9/Sep	A	ManhPV	Thêm Entity Relationship Diagram
10/Sep	A	DuyDC	Thêm phần function và non-function (I.2.b,d)
10/Sep	A	AnhLH	Thêm phần System functions (Mục a,c)
1/10	A	ManhPV	Thêm phần mô tả Assignment list
1/10	A	ManhPV	Thêm phần mô tả Assignment detail
1/10	A	ManhPV	Thêm phần mô tả eval criteria list
10/Oct	A	DuyDC	Thêm mô tả Subject setting List (II.3.i)
10/Oct	A	DuyDC	Thêm mô tả Subject setting Details (II.3.k)
10/Oct	A	DuyDC	Thêm mô tả Class setting Details (II.5.e)
22/10	A	HungNV	Thêm mô tả Class Eval-Criteria List (II.5.f)
22/10	A	HungNV	Thêm mô tả Class Eval-Criteria Details (II.5.g)
23/10	A	AnhLH	Thêm phần mô tả cho Attendance tracking (II.5.k)
23/10	A	AnhLH	Thêm phần mô tả cho Attendance details (II.5.l)
23/10	A	AnhLH	Thêm phần mô tả cho schedule attendance (II.7.a)
23/10	A	Manhvp	Thêm phần mô tả New teams (II.5.h)
23/10	A	Manhvp	Thêm phần mô tả team detail (II.5.i)
04/10	A	HoaND	Thêm mô tả Milestone List(II.5.a)
04/10	A	HoaND	Thêm mô tả new Milestone(II.5.b)
04/10	A	HoaND	Thêm mô tả cho Milestone Details(II.5.c)
23/10	A	HoaND	Thêm mô tả cho Schedule List(II.4.c)
23/10	A	HoaND	Thêm mô tả cho Schedule Details(II.4.d)
23/10	A	HoaND	Thêm mô tả cho Team List(II.5.j)
11/9	M	ManhPV	Sửa phần Entity Relationship Diagram (1.3)
11/9	M	AnhLH	Sửa phần Non-Screen functions(1.2.d)
11/9	M	HoaND	Sửa phần Screen flow(1.2.a)
11/9	M	ManhPV	Sửa phần Screen details(1.2.b)
11/9	M	AnhLH	Sửa phần User Authorization(1.2.c)
11/9	M	HoaND	Sửa phần Non-Screen Functions(1.2.d)

\*A - Added M - Modified D - Deleted

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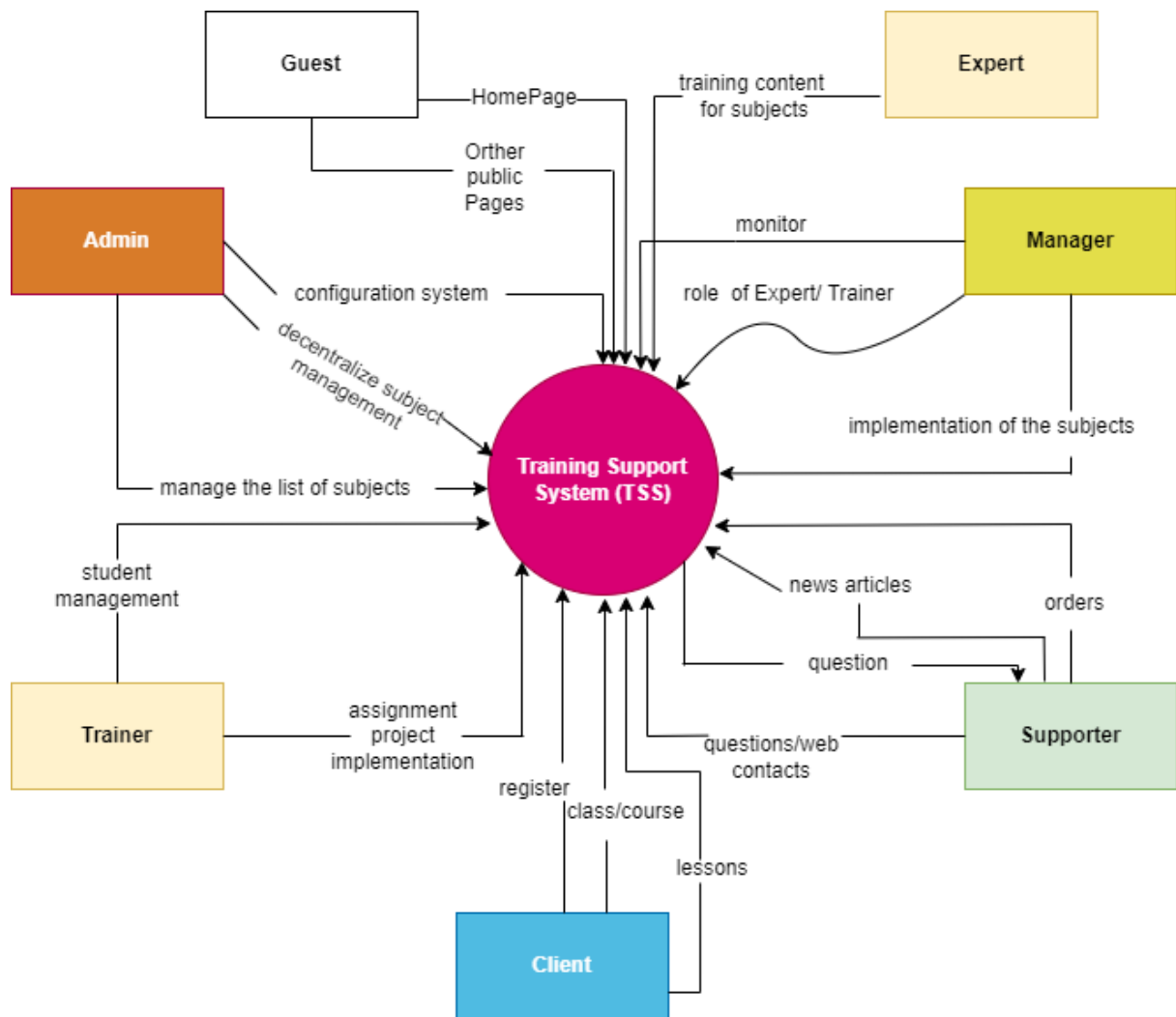
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## I. Overview

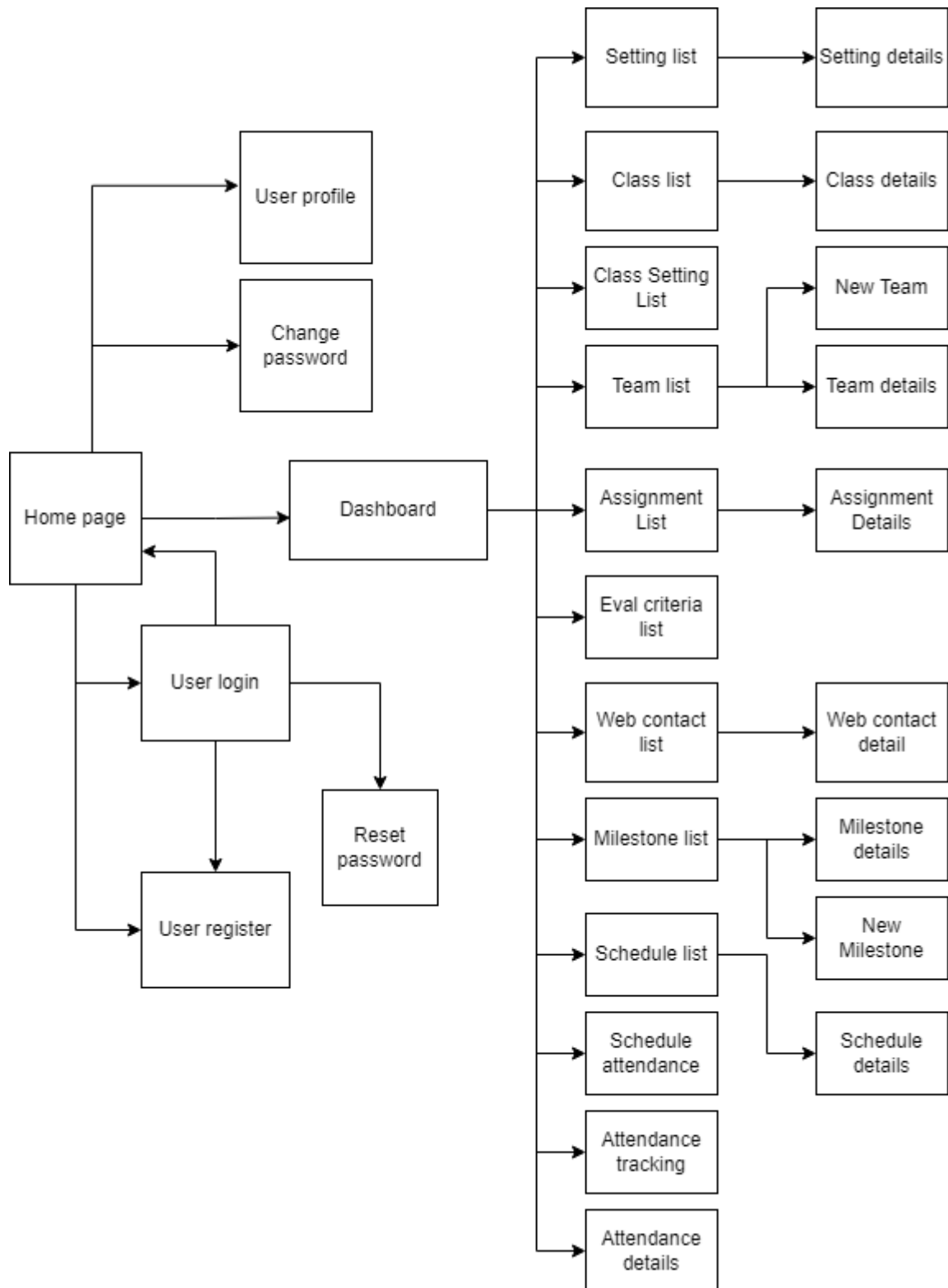
### 1. Introduction

TSS là một hệ thống quản lý đào tạo với đầy đủ các tính năng cần thiết cho quản trị viên, người quản lý , cá nhân đào tạo viên, người hỗ trợ, chuyên gia và khách hàng. Chúng tôi sẽ sử dụng một ứng dụng web để quản trị viên toàn quyền ,tập trung vào cấu hình hệ thống , quản lý danh mục môn học và phân quyền quản lý môn. Người quản lý thì có trách nhiệm theo dõi, cấu hình triển khai các môn học do mình phụ trách, đồng thời giữ vai trò như một chuyên gia. Huấn luyện viên có trách nhiệm quản lý sinh viên ,việc triển khai assignment project của sinh viên....Người hỗ trợ thì giữ trách nhiệm chuẩn bị tin bài , trả lời thắc mắc trên web và theo dõi các đơn hàng. Sơ đồ ngữ cảnh bên dưới minh họa các thực thể bên ngoài và giao diện hệ thống cho phiên bản 1.0. Hệ thống dự kiến sẽ phát triển qua nhiều bản phát hành và cung cấp trải nghiệm người dùng tốt nhất.



## 2. System Functions

### a. Screen Flow



### b. Screen Details

#	Feature	Screen	Description
1	Common	Homepage	Show the static contents and include the web header & footer. Allow the guest to submit the contact information in a chosen category.
2	Common	Demo Dashboard	Show the sample dashboard information.
3	Common	User Login	Allows the user to enter email & password to login; on this page, there are also links for users to register new information or reset the password in the case the user forgets it.
4	Common	Password Reset	Expiable new password link would be sent to the email for resetting.
5	Common	User Register	Just input limited fields (full name, email), random access password sent via email; the user can bypass registering with Google log-in.
6	Common	User Profile	Allow the user to change the avatar, full name and view others (email, role). The client can input/change his/her mobile, address, company, position. Users can link to the Password Change screen below.
7	Common	Password Change	Users enter the following fields: Current Password, New Password, Verifying Password.
8	Admin	Setting List	"Filters: Type, Status Column: Id, Type, Title, Value, Display Order, Status Row Actions: View/Edit, Activate/Deactivate Global Actions: Filter, Search (by Title), Sort (columns), Paginate Roles: admin ~ full access Status: Active, Inactive"
9	Admin	Setting Details	Fields: Type (L), Title, Value, Display Order, Status, Description
10	Manager	Assignment List	List of exercises of the subject; filter by subject (1), status; search by title
11	Supporter	Web Contact List	Show the list of assigned web contacts
12	Supporter	Web Contact Details	View/Edit an assigned web contact
13	Manager	Assignment Details	view details assignment
14	Manager	Eval Criteria List	List of assignment evaluation criteria; filter by subject (1), assignment (1), status; search by criteria_name
15	Manager	Class List	Filters: Subject, Term, Trainer, Supporter, Status Columns: Id, Code, Term, Trainer, Supporter, Status Row Actions: View/Edit, Activate/Deactivate/Close Global Actions: Filter, Search (by Code), Sort (columns), Paginate Status: Active, Inactive, Closed
16	Manager	Class Details	Subject (L), Code, Term (L), Trainer (L), Supporter (L), Status, Description Trainer có thể sửa cấu hình kết nối API GitLab cho lớp mình phụ trách



17	Trainer	Class Setting List	Filters: Type, Status Column: Id, Type, Title, Value, Display Order, Status Row Actions: View/Edit, Activate/Deactivate Global Actions: Filter, Search (by Title, Value), Sort (columns), Paginate Roles: trainer ~ full access, student ~ read only Status: Active, Inactive
18	Trainer	Milestone List	List of milestones and content of class assignments
19	Trainer	New Milestone	Create a new milestone, select based assignment from the list of related subject assignments + enter start date, end date After creation, the subject's selected assignment information and related evaluation criteria are copied into the milestone information
20	Trainer	Milestone Details	View, add information about milestone of a class
21	Supporter	Schedule List	List out class schedules - Columns: Slot, Topic, Date, From Time, To Time, Room, Take Attendance, Action - Actions: + View/Edit: link to the Schedule Details page to view/edit the relevant class schedule + Take Attendance: link to Attendance Details page to add/edit the class attendance of the relevant slot - this link is available only during the training day of that slot - Global actions: + View Attendance: link to Attendance Tracking page + Add New: link to the Schedule Details page to add new class schedule - The Trainer have similar permissions as the Supporter on this page
22	Supporter	Schedule Details	Allow the Supporter/Trainer to input schedule information for adding new or editing the relevant class schedule. The user is not allowed to change the attendance-taken schedule
23	Trainer	Attendance Tracking	Allow the Supporter/Trainer to view the class trainees' attendance status of all the class schedules
24	Trainer	Attendance Details	Allow the Supporter/Trainer to add/edit the class attendance of the relevant schedule
25	Trainee	Schedule Attendance	List out class schedules of the selected class & the student attendance status for each schedule Columns: Slot, Topic, Date, From Time, To Time, Room, Take Attendance, Attendance Status

26	Trainer	Team List	<ul style="list-style-type: none"> <li>- The Supporter &amp; Trainee can view the team list &amp; team details</li> <li>- Member Actions: Change Group, Remove Member, Set As The Leader</li> <li>- The screen just shows the active team-working assignments in the Assignment filter</li> <li>- Global Actions: <ul style="list-style-type: none"> <li>+ Create Groups or Reset Groups - link to New Teams page to create/re-create new team set</li> <li>+ Remove Groups - remove or unattached current team set from the selected milestone</li> <li>+ Add New Group - add new group to change (move) a specific member to</li> </ul> </li> <li>- Team Actions: <ul style="list-style-type: none"> <li>+ Add New Trainee: add trainee(s) from weighting list into the selected team</li> <li>+ Add New: link to Team Details to add new team to the milestone team set</li> <li>+ Team Details: link to Team Details to view and/or edit the team</li> <li>+ Activate/Deactivate: activate or deactivate the team</li> </ul> </li> <li>- The above actions are not allowed for the team sets which are "attached" to the in-progress or closed milestones</li> </ul>
27	Trainer	New Teams	<p>Allow the user to create groups or regroup</p> <p>See the Mockup - note to add one more tab called Clone Group with the similar layout as the Reuse Group; Clone Groups would create new team set "attached" to the milestone (by copying the current team configurations) instead of re-using the current team set in the Reuse Groups</p>
28	Trainer	Team Details	<p>Allow the user to input team information for updating relevant team or adding new team to the team set of the milestone.</p> <ul style="list-style-type: none"> <li>- Fields: team code, topic name, status, description</li> <li>- When creating new team, the default status value is Active</li> </ul>

### c. User Authorization

Screen	Tranee	Supporter	Trainer	Expert	Manager	Admin
Home page	X	X	X	X	X	X
Demo Dashboard	X	X	X	X	X	X
User Login	X	X	X	X	X	X
Password Reset	X	X	X	X	X	X
User Register	X	X	X	X	X	X
User Profile	X	X	X	X	X	X
Password Change	X	X	X	X	X	X
Setting List						X
Setting Details						X
Web Contact List		X				X
Web Contact Details		X				X

Assignment List					X	X
Assignment Details					X	X
Eval criteria List					X	X
Class list					X	X
Class Details					X	X
Class Setting List			X			X
Milestone List			X			X
Milestone Details			X			X
New Milestone			X			X
Team List			X			X
Team Details			X			X
New teams			X			X
Schedule List		X				X
Schedule details		X				X
Schedule attendance	X					X
Attendance tracking			X			X
Attendance details			X			X

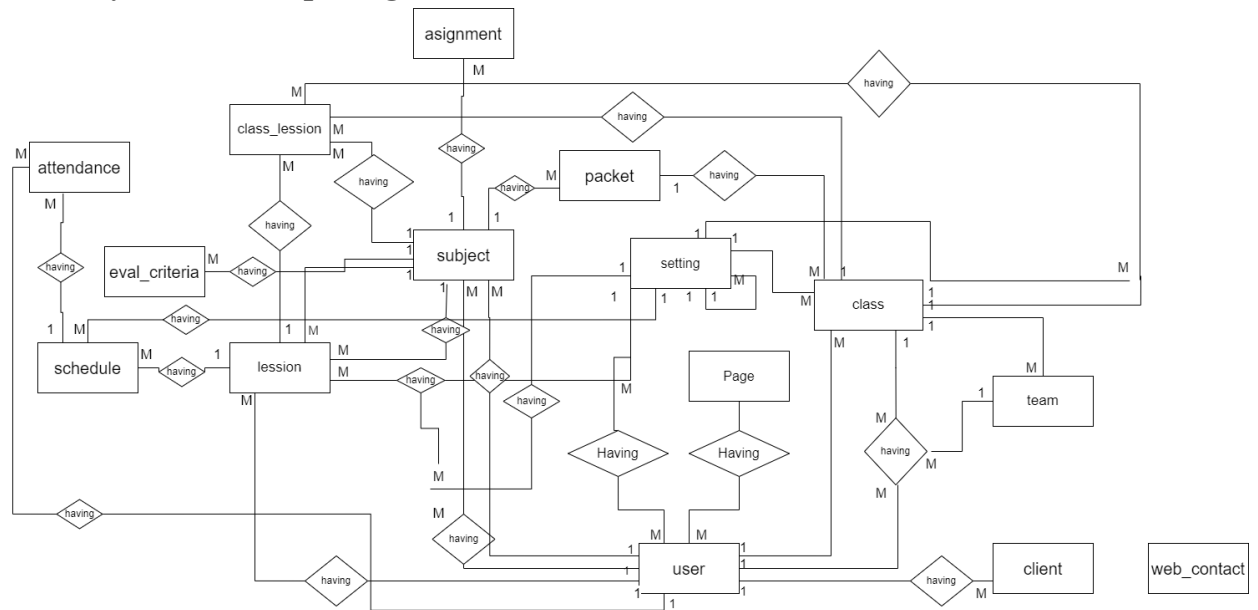
In which:

- Admin: Full authority, focus on system configuration
- Manager: Configure the implementation of the subjects under charge, and at the same time play the role of Expert/Trainer.
- Expert: Prepare training content for subjects, and act as Trainer
- Trainer: Student management, student assignment project implementation
- Supporter: Preparing news articles, answering questions/web contacts
- Trainee: Update and track the status of assignment projects

#### *d. Non-Screen Functions*

#	Feature	System Function	Description
1	Common	Validate input	When edit or add new a assignment, class, eval criteria,... input must be match with each field
2	Common	Reset password	Password must be more than 8 characters, 1 letter 1 digit. Encrypt by SHA256
3	Common	Filter	Implementation of authorization mechanism in the system, including the specify the role of logged-in user, his/her authorised page links (building the displayed menu items (in the front end) and preventing unauthorised access via enter the links directly)
4	admin, traner, support, manager	Change status	Show modal, show toast if change status successful.

### 3. Entity Relationship Diagram



### Entities Description

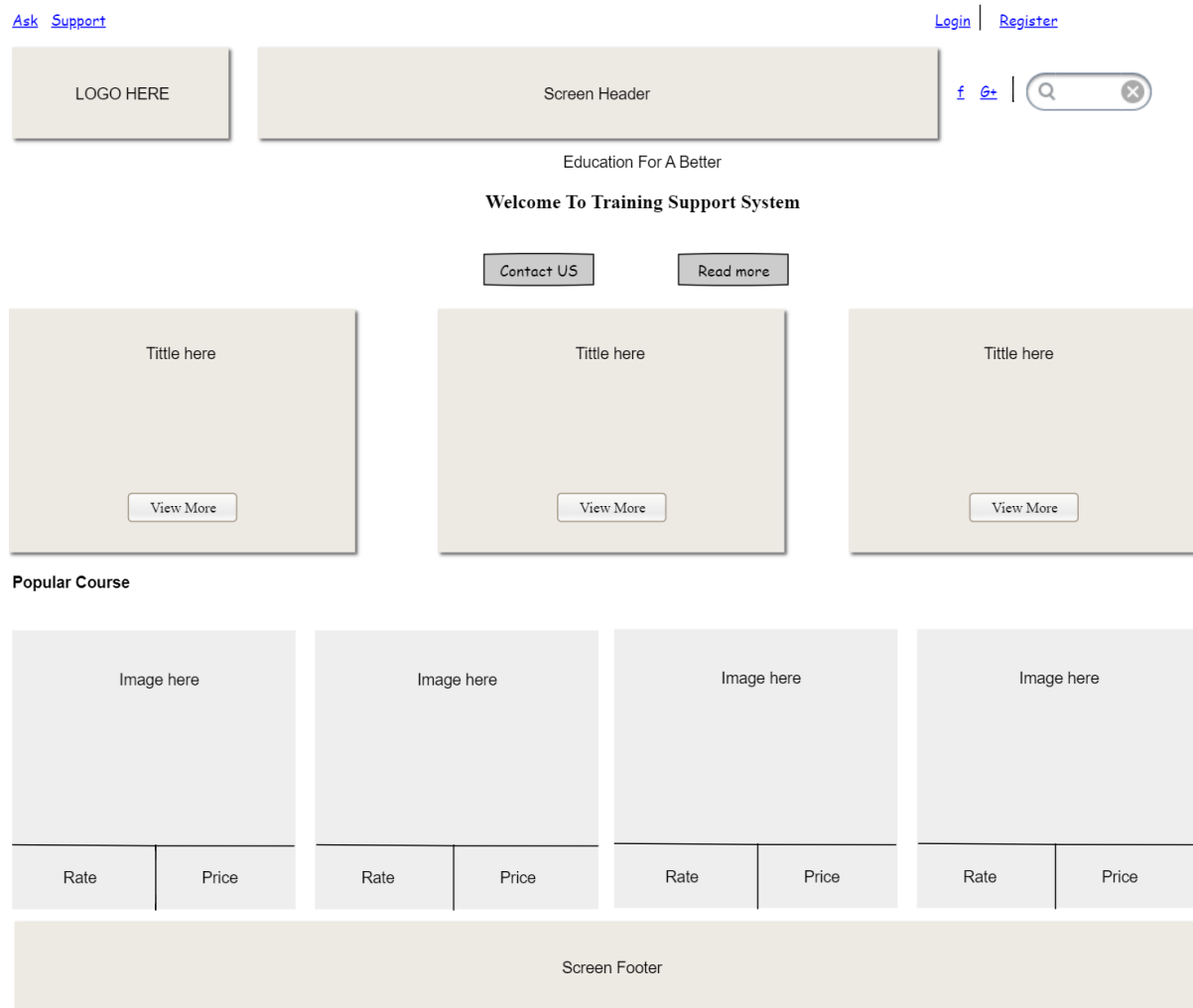
#	Entity	Description
1	user	chứa thông tin cơ bản của người dùng như id, password, tên...
2	role	phân chia các quyền của người dùng như admin, expert, client...
3	page	chứa các screen mà người dùng có thể truy cập theo từng role
4	setting	lưu thông tin chi tiết của các module
5	subject	chứa các thông tin cơ bản về môn học như mã môn, giáo viên...
6	Assignment	chứa assignment của môn học
7	lesson	chứa các thông tin chi tiết của từng bài học theo môn
8	class_lesson	chứa thông tin về lớp học , thời gian học...
9	package	
10	client	chứa các thông tin chi tiết của từng client như địa chỉ, số điện thoại
11	class	chứa thông tin về lớp học như người phụ trách là ai, diễn ra trong kì nào, mã lớp...
12	class_user	chứa thông tin của các người dùng có liên quan theo từng lớp
13	milestone	Danh sách các mốc thực hiện và nội dung các assignment của lớp học
14	team	chứa thông tin của các nhóm học sinh trong 1 lớp như mã nhóm, mã lớp, chủ đề...
15	web_contact	chứa các thông tin để liên hệ cho trung tâm
16	schedule	Danh sách lịch trình học của lớp
17	attendance	Chứa thông tin điểm danh

## II. Functional Requirements

### 1. Common

#### a. Home Page

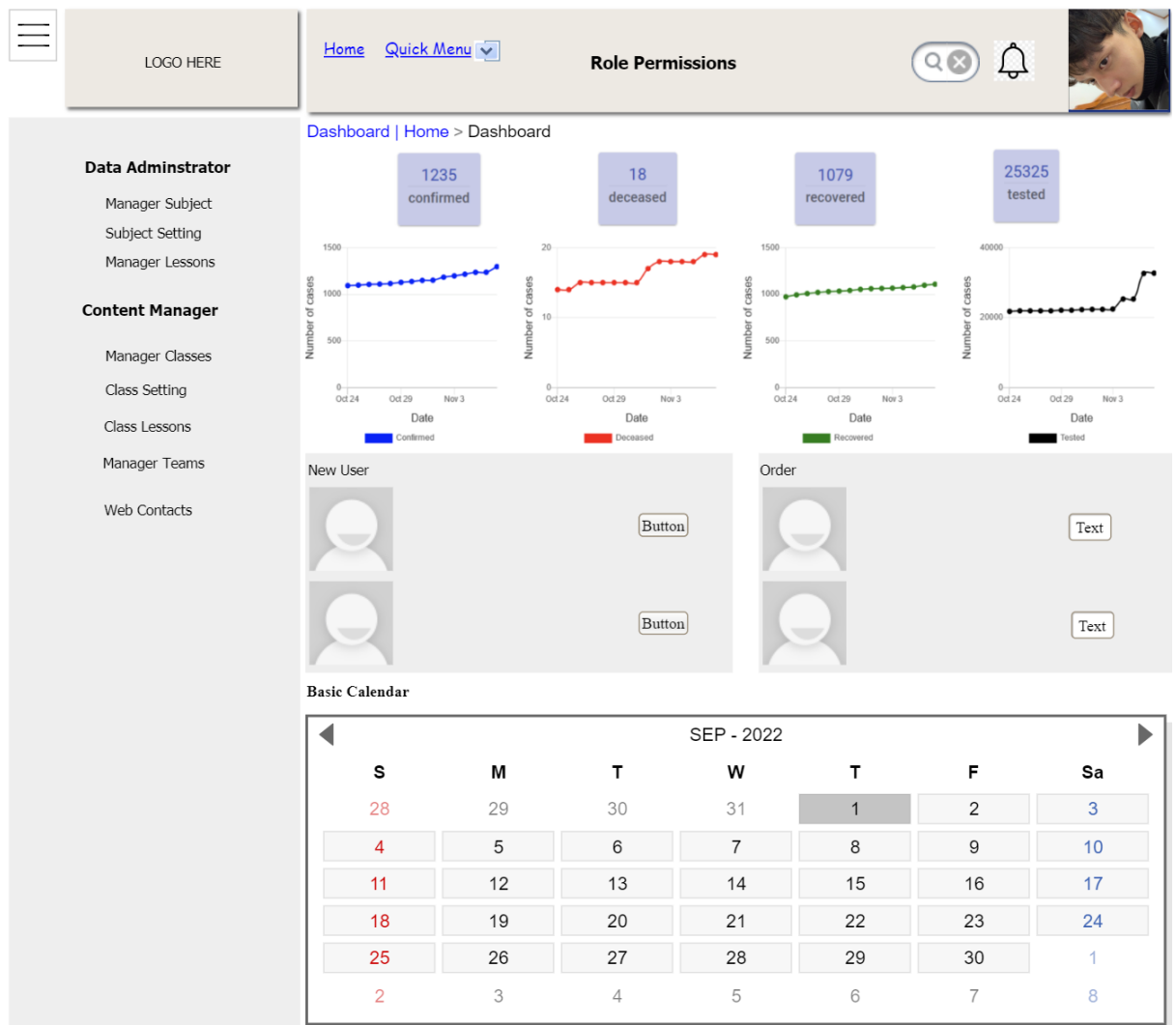
- Function trigger: This screen will be displayed as soon as you access the system
- Function description: This function is for all actors to access for the first time
- Screen layout :



- Function Details: Display home page here with logo , login and register for first time users to the site. Below is the title and welcome sentence, showing the courses, views and prices of the courses

#### b. Demo Dashboard

- Function trigger: This function triggered when user login the system (role: Admin, Manager, Trainer,)
- Function description: Show the dashboard of the role
- Screen layout :



- Function details: Provide a list on the left sidebar, displaying the logo, users can also search in the right search bar. Below is the calendar and parameters

### c. Login

- Function trigger: This function triggers when a user clicks on the Login button in the Home Page screen.
- Function description: This function is for the user who wants to login the website .
- Screen layout: Sample below is for User login screen



## Login to your Account

Don't have an account ? [Create one here](#)

☐ Remember me [Forgot Password ?](#)

## Login with Social media

[G+](#)

- Function details: Users fill in the correct information for the email's account and their password, data must be validated ( the login email and the password must be in the right format). After filling in and clicking Login, the user would be directed to the Home Page with logged in information of the user , alsos user can log in with gmail. Otherwise, if the user doesn't remember the account's password , he can click on Forget password to reset it or click on Register here to create a new account.  
Or user can login with google login by click on the G icon

### d. Reset password

- Function trigger: user click on Reset Password button.
- Function description: reset user's password by code that send to user's email
- Function details: Expiable new password link would be sent to the email for resetting Email. User click on the link and it will navigate to a page for use for input new password.

- Screen layout:

Reset password
×

Enter your login ID (e-mail)

sample@mail.com

#### e. User register

- Function trigger: user click on Register button.
- Function description: Register a new user
- Function details: users can have 2 options.

1. Register by filling required input, then a random access password will be sent via email.

2. User Google account to login

- Screen layout:

Please enter the captcha.

Name

Email

Enter Captcha

Captcha Code

11F320

Send


Sign in with Google

#### f. User profile

- Function trigger: user click on Username at Header, it will navigate to User's Profile screen.
- Function description: user can see, or edit information.
- Function details: Allow the user to change the avatar, full name or view others (admin). The client can input/change his/her mobile, address, company, position




- Screen layout:

LOGO HERE

Home quickmenu

Client

Client's Profile



Change Avatar

ID	X123	
Fullname	example	<a href="#">Edit</a>
Mobile phone	0858129xxx	<a href="#">Edit</a>
Address		<a href="#">Edit</a>
Company		<a href="#">Edit</a>
Position		<a href="#">Edit</a>
Password	xxxxxxxxxx	<a href="#">Edit</a>
Email	example123@gmail.com	
Role	Client	

## g. Change password

- Function description: Change account password, user with any role can change password
- Function trigger: After entering the correct old password, the new password and re-entering the new password successfully, the password will be changed
- Function description: Change account password, user with any role can change password
- Screen layout :

4. Password

Current Password

New Password

Re Type Password

Save changes

Cancel

- Function Details: On the screen, user click to profile on the top right screen, after that click user profile. User can see the change password and The user enters the correct old password, the new password then presses change password (if successful, it will fly to the login page, otherwise it will not be changed)

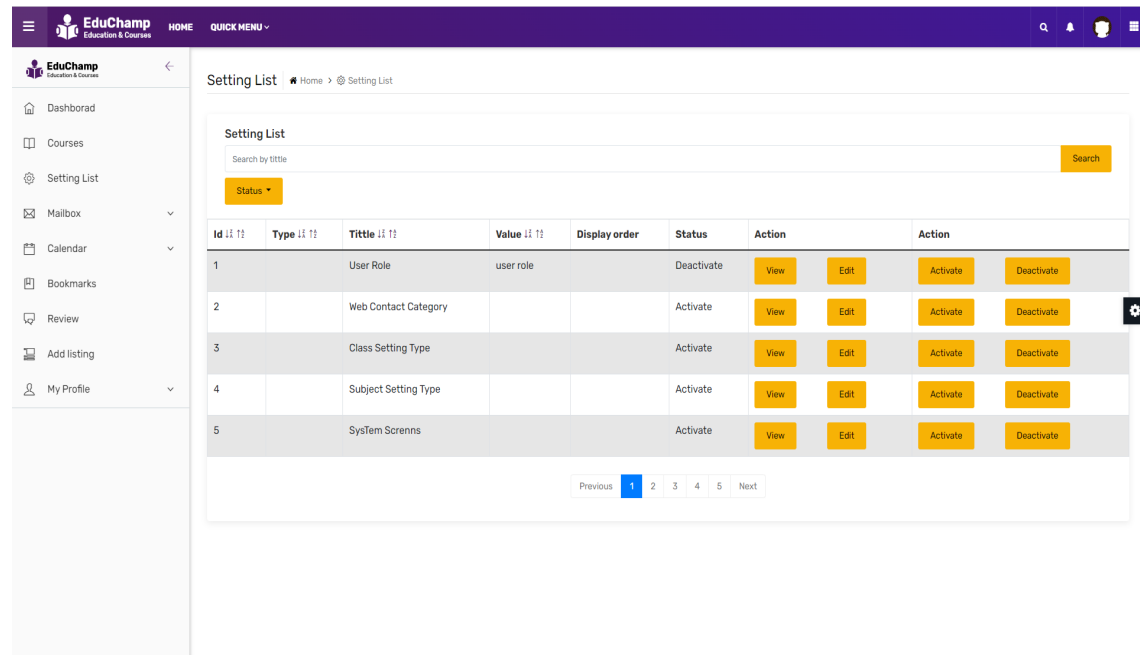
## 2. Admin

### a. Setting List

- Function trigger: admin click on the Setting list button, then the page will be navigated through the setting list page, which will display the list of setting.
- Function description: display list setting , admin can view setting, edit setting, search for an setting by the tittle contained in the information fields. User can change status by button activate/deactivate
- Function details: When the administrator logs in, selects the Setting list button, on dashboard and a page will appear showing the information of the setting that the program has registered,User can search by tittle for the setting. The table have

filter by active for user chose activate or deactivate . User chose the paging for next page or pre page.

- Screen layout:



## b. Setting details

- Function trigger: admin click on the view button in Setting , then the page will be navigated through the list detail setting page, which will display the setting have the id view chose.
- Function description: display details of setting , admin can view,edit setting in the information fields.
- Function details: When the administrator logs in, selects the view button in Setting list, and a page will appear showing the information of the setting details that the program has registered. User can edit profile and save byr button “Save”
- Screen layout:

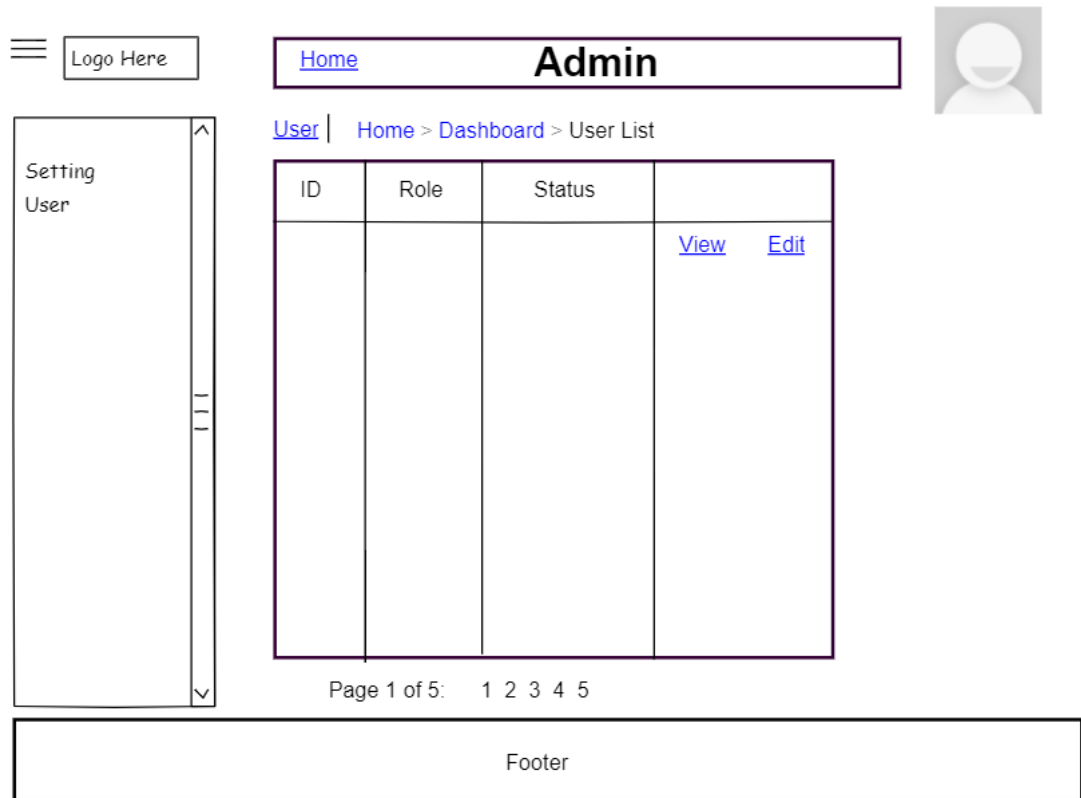
Setting Details

Type	Title	Value	Display order	Status	Description
	User Role	user role		<input type="radio"/> Activate <input checked="" type="radio"/> Deactivate	123

[Save](#)

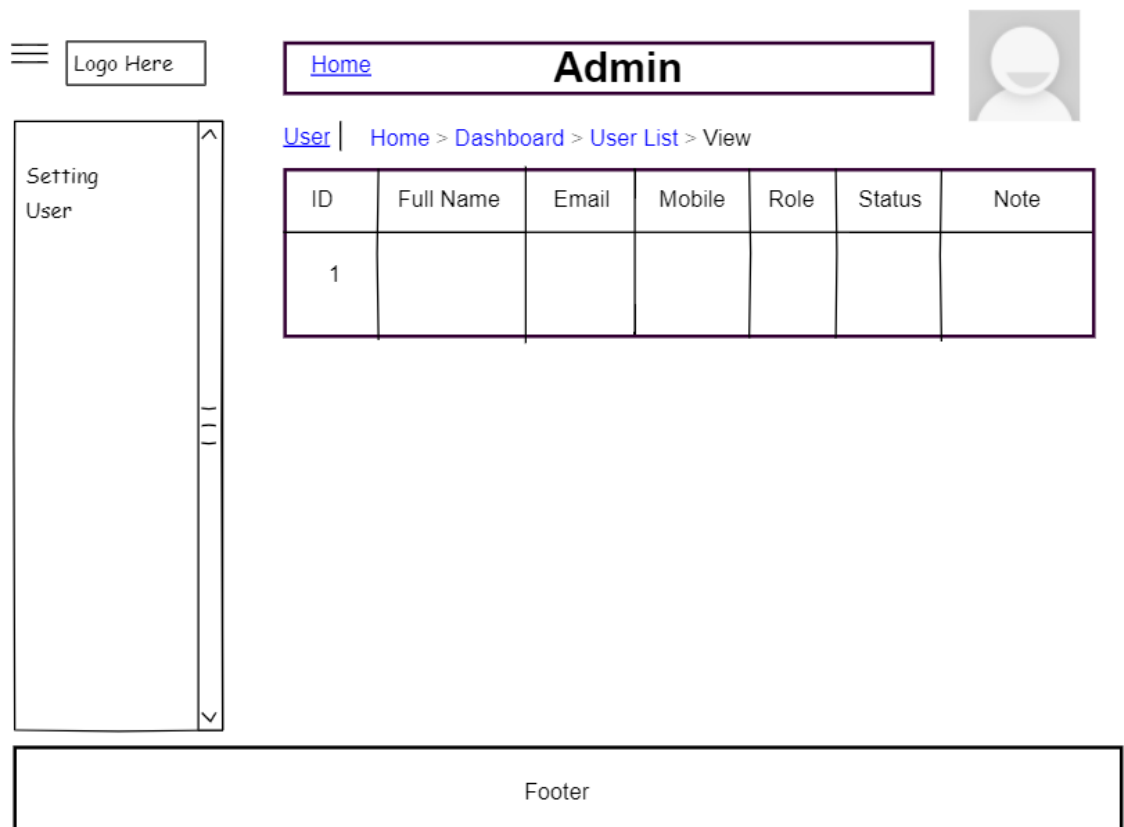
## c. User List

- Function trigger: Admin click on button “User” in Dashboard screen.
- Function description: A list of users will appear on screen. Admin can view/add/edit users.
- Function details: Admin login into the system, choose “User” and a list of users will display on screen, Admin can choose a user to edit or add a new user.
- Screen layout:



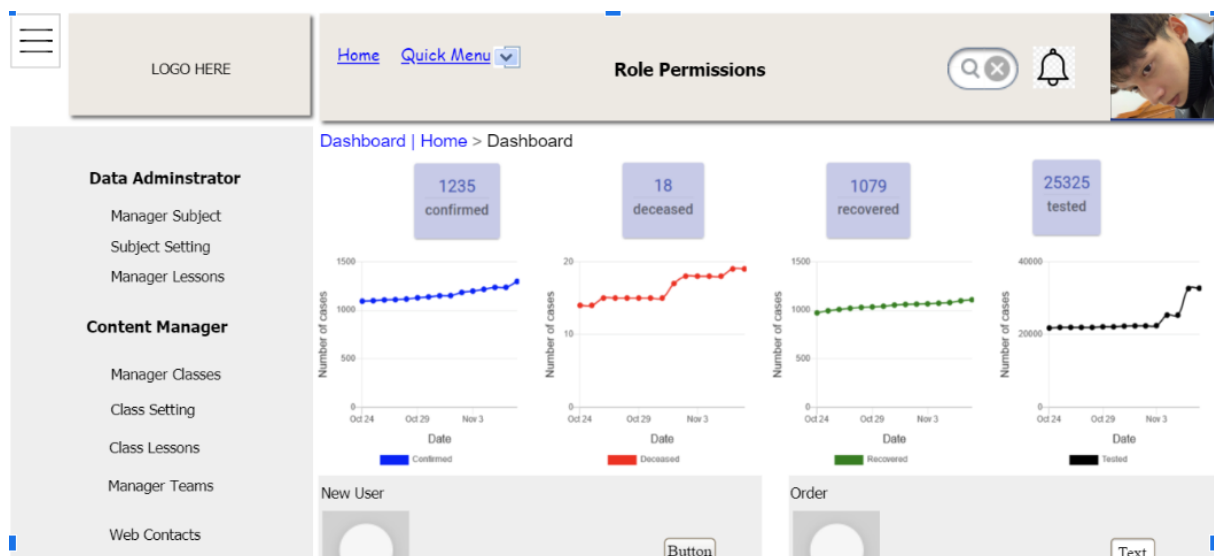
#### d. User Details

- Function trigger: Admin chooses one user in a list of users.
- Function description: A list of information of this user will display on screen. Admin can edit information of this user.
- Function details: Admin login into the system, choose one user from User list, and view/edit information of this user.
- Screen layout:



### e. System Permission

- Function trigger: The screen shows the functions of each user group
- Function description: This function configures access rights for each role in the system
- Screen layout :

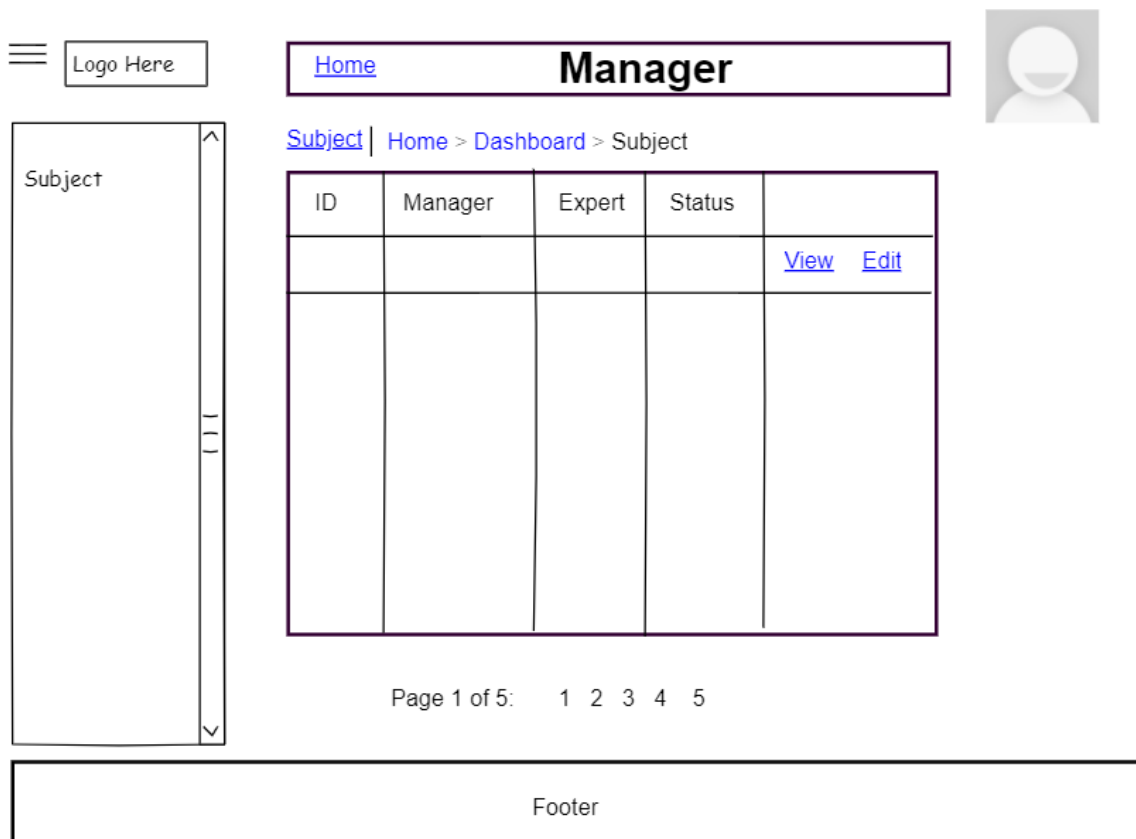


- Function Details: Display home page here with logo , header and footer correspond to each role, the navbar also displays corresponding to each role

### 3. Manager:

#### a. Subject List

- Function trigger: Manager click on the Subject list button, then the page will display all subjects on screen.
- Function description: Display subject, manager can view/edit/add new subject.
- Function details: When Manager login into the system, click on the button “Subject”, the page will display all subjects.
- Screen layout:



#### b. Subject details

- Function trigger: user click on some subject in subject list page.
- Function description: This screen show all information about subject.
- Function details: When user click on some subject in subject list page, page will load information of subject and display like below.
- Screen layout:

#### c. Assignment List

- Function trigger: admin click on the Assignment list button, then the page will be navigated through the assignment list page, which will display the list of Assignment.
- Function description: display list assignment . Admin, manager can view setting, edit assignment, search for an setting by the tittle contained in the information fields. User can change status by button activate/deactivate
- Function details: When the admin, manager logs in, selects the assignment list button, on dashboard and a page will appear showing the information of the assignment that the program has

registered, User can search by title for the assignment. The table have filter by active for user chose activate or deactivate, and the name of subject . User chose the paging for next page or pre page.

- Screen layout:

Setting List | Home > Dashboard > Assignment List

Search by

ID	Type	Title	Value	Display order	Status	Action	Action	Action
1						View	Edit	Active
2						View	Edit	Deactive
3						View	Edit	Deactive
4						View	Edit	Deactive
						View	Edit	Active

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#### d. Assignment details

- Function trigger: admin click on the view button in Assignment , then the page will be navigated through the list detail Assignment page, which will display the Assignment have the id view chose.
- Function description: display details of Assignment , admin can view,edit Assignment in the information fields.
- Function details: When the administrator,manager logs in, selects the view button in Assignment list, and a page will appear showing the information of the Assignment details that the program has registered. User can edit profile and save by button “Save”

- Screen layout:

Assignment details

Assignment Id
1

Subject Id
1

Eval Weight
10.0

Status
☒ Activate
☐ Deactivate

Title
Assignment 1

Assignment Body
1

Save changes

### e.Eval Criteria List

- Function trigger: admin click on the Eval Criteria list button, then the page will be navigated through the Eval Criteria list page, which will display the list of Eval Criteria .
- Function description: display list Eval Criteria . Admin, manager can view Eval Criteria , edit Eval Criteria , search for an Eval Criteria by the name contained in the information fields. User can change status by button activate/deactivate
- Function details: When the admin, manager logs in, selects the Eval Criteria list button, on dashboard and a page will appear showing the information of the Eval Criteria that the program has registered,User can search by name for the Eval Criteria. The table have filter by active for user chose activate or deactivate, and the name of subject and name by assignment . User chose the paging for next page or pre page.

- Screen layout:

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[Home](#)
[quickmenu](#)

Admin

Setting List | Home > Dashboard > Eval Criteria List

Search by

ID	Type	Title	Value	Display order	Status	Action	Action	Action
1						<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Active</a>
2						<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Deactive</a>
3						<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Deactive</a>
4						<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Deactive</a>
						<a href="#">View</a>	<a href="#">Edit</a>	<a href="#">Active</a>

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Data adminator

Setting list

Subject setting

Manage lesson

Assignment list

**Eval Criteria List**

Content1

Content2

Content3

## f. Class list

- Function trigger: Manager click on the class list button from dashboard, then the page will be navigated through the class list page, which will display the list of class
- Function description: Manager can see all class. They also search by some type of class
- Function details: Manager must input value before search. They also filter class list by term, trainer or status. They can also sort the list by click on the header of each columns.
- Screen layout:

EduChamp Education & Courses

HOME QUICK MENU

Dashboard

Courses

Setting List

Assignment List

Eval Criteria List

Milestone List

Web contact List

**Class List**

Class Setting List

Mailbox

Bookmarks

Review

Add listing

My Profile

Class List

Enter code

Search

Term

Trainer

Status

Spring 2022

nguyenduchoa

Active

Filter

Filter

Filter

ID	Code	Term	Trainer	Status	Action
	SE1623 Demo class details	Summer 2022	nguyenduchoa	<a href="#">Active</a>	<a href="#">Edit</a>
	SE1624	Spring 2022	abc	<a href="#">Active</a>	<a href="#">Edit</a>
	SE1625	Summer 2022	abc	<a href="#">Deactive</a>	<a href="#">Edit</a>
	IA1621	Fall 2022	duong thanh	<a href="#">Active</a>	<a href="#">Edit</a>
	IA1623	Spring 2021	abc	<a href="#">Deactive</a>	<a href="#">Edit</a>

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### g. Class details

- Function trigger: User (manager, admin) click on the “edit” button next to some class from class list, then the page will be navigated through the class details page, which will display the details of class.
- Function description: Manager can see all field of class . They can also edit any field of class except class\_id.
- Function details: There are 5 fields (code, trainer, term, status, description) that user can edit. By click on Save change button, user can update it
- Screen layout:

The screenshot displays the 'Class details' page in the EduChamp application. The interface includes a sidebar with various navigation links and a main content area. The main content area is titled 'Class details' and contains a form with the following fields:

- Class ID:** 1
- Class Code:** SE1623 Demo class details
- Trainer:** nguyenduchoa
- Term:** Summer 2022
- Status:** Active
- Description:** 132

A 'Save change' button is located at the bottom of the form.

### h. Eval Criteria Details

Function trigger: when Manager click on Eval Criteria Details

- Function description:
  - Role: Manager
  - Purpose: Manager can view and edit eval criteria
- Screen layout:

Criteria_id	Ass_id	criteria_name	eval_weight
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
maxloc	milestone_id		
<input type="text"/>	<input type="text"/>		
description			
<input type="text"/>		<input type="button" value="Edit"/>	

#### i. Subject setting list:

- Function trigger: User clicks on the subject setting list button from dashboard, then the page will be navigated through the subject setting list page, which will display the list of subject settings.
- Function description: User can see all the subject settings. They also search by some type of setting.
- Function details: When Manager login into the system, click on the button “Subject setting”, the page will display all subject settings.
- Screen layout:

Logo

Home Menu

Dashboard
UserList
Setting List
Webcontact List
Class List
Subject setting List
Class setting List
.....

### Subject setting List

Home > Subject setting list

ID	Type ID	Title	Value	Display order	Status	Description	Action
							Edit Active
							Edit Active
							Edit Active
							Edit Active
							Edit Active

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#### k. Subject setting details:

- Function trigger: Manager clicks on the “Edit” button next to the subject setting from the subject setting list, then the page will be navigated through the subject setting details page, which will display the details of subject setting.
- Function description: Manager can see all fields of subject setting . They can also edit any field of subject setting.

- Function details: There are 5 fields (title, value, display\_order, status, description) that users can edit. By clicking on the Save change button, users can update it.
- Screen layout:

The screenshot shows a web application interface for managing subject settings. The top navigation bar includes a logo, 'Home' and 'Menu' links, and an 'Avatar' placeholder. The left sidebar contains a menu with items: Dashboard, UserList, Setting List, Webcontact List, Class List, Subject setting List (highlighted), and Class setting List. The main content area is titled 'Subject setting List' with a breadcrumb 'Home > Subject setting list'. Below the title is a 'Subject setting Details' form with fields for 'Subject setting ID', 'Type ID', 'Title', 'Value', 'Display\_order', 'Status', and 'Description'. A 'Save' button is at the bottom right of the form.

## 4. Supporter:

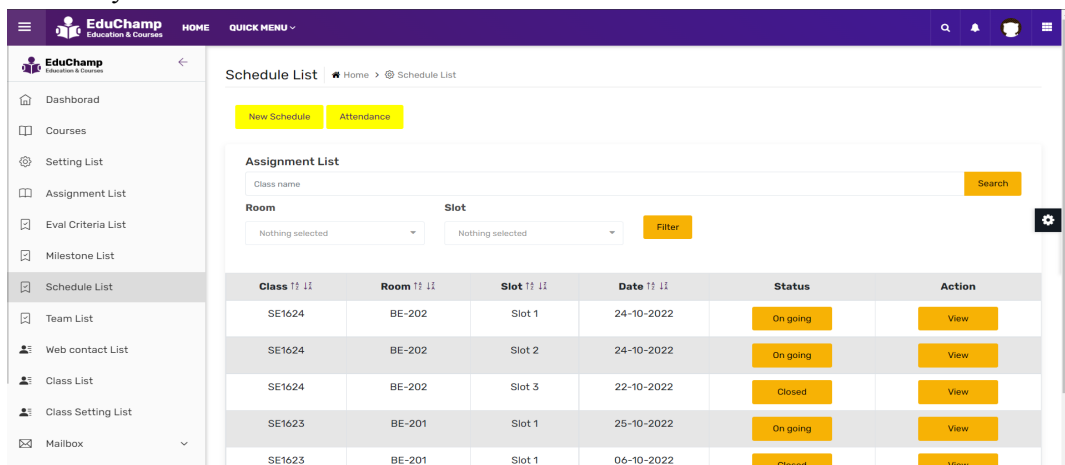
### a. Web contact list

- Function trigger: Supporter click on the web contact list button from dashboard, then the page will be navigated through the web contact list page, which will display the list of web contact
- Function description: Supporter can see all web contact. They can also search by some type of web contact.
- Function details: User choose type (category\_id, supporter id, status). If they choose category\_id or supporter\_id, they must input id before search. If they choose status, the page will show all the replied contacts (or not, depending on status).
- Screen layout:



### c. Schedule List

- Function trigger: supporter can view and edit schedule on menu
- Function description: List out class schedules
- Function details: View/Edit: link to the Schedule Details page to view/edit the relevant class schedule
  - + Take Attendance: link to Attendance Details page to add/edit the class attendance of the relevant slot - this link is available only during the training day of that slot
- Global actions:
  - + View Attendance: link to Attendance Tracking page
  - + Add New: link to the Schedule Details page to add new class schedule
- Screen layout:



### d. Schedule details

- Function trigger: click on view button
- Function description: Allow the Supporter/Trainer to input schedule information for adding new or editing the relevant class schedule
- Function details: The user is not allowed to change the attendance-taken schedule
- Screen layout:

Schedule details
Home > Schedule list > Schedule details

Schedule details

Class
Slot
Room

SE1624
Slot 1 (7.30 a.m - 9.00 a.m)
BE-202

Training date
mm/dd/yyyy

Start time
End time


Status
On going Closed

Save changes

## 5. Trainer:

### a. Milestone List


- Function trigger: Trainer click on Milestone button
- Function description: List of milestones and content of class assignments
- Function details: show for Trainer list milestones with some fields like from date, to date, title, assignment description...
- Screen layout:



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[Home](#) [quickmenu](#) Trainer


Milestone List

Sort by: 

Assignment name	Start date	End date	Class
Practice Test 1	10/21/2022	10/22/2022	H3xxx

### b. New Milestone

- Function trigger: Trainer click on New Milestone button on Milestone page
- Function description: create a new milestone.
- Function details: Trainer select based assignment from the list of related subject assignments + enter start date, end date. Once created, the subject's selected assignment information and related evaluation criteria are copied into the milestone
- Screen layout:



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Create Milestone


Title		
Class		▼
Subject		▼
Assignment		▼
Start Date		
End Date		
Assignment description		

Cancel

Assign

### c. Milestone Details

- Function trigger: Trainer click on each milestone at Milestone List to see the details
- Function description: View, edit class's milestone information
- Function details: Trainer can view, edit some fields of Milestone like from date, to date, title...
- Screen layout:



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#### Milestone Details

Title	
Class	
Subject	
Assignment	
Start Date	
End Date	
Assignment Description	
Description	
Status	

Cancel Save Changes

### d. Class setting list

- Function trigger: Trainer click on the class setting list button from dashboard, then the page will be navigated through the class setting list page, which will display the list of class setting
- Function description: trainer can see all class setting. They also search/filter/sort by some type of class
- Function details: Manager must input value before search. They also filter class list by typer or status. They can also sort the list by click on the header of each columns.
- Screen layout:

EduChamp Education & Courses
HOMES
QUICK MENU ▾

**EduChamp**  
Education & Courses

- [Dashboard](#)
- [Courses](#)
- [Setting List](#)
- [Assignment List](#)
- [Eval Criteria List](#)
- [Milestone List](#)
- [Web contact List](#)
- [Class List](#)
- [Class Setting List](#)
- [Mailbox](#)
- [Bookmarks](#)
- [Review](#)
- [Add listing](#)
- [My Profile](#)

## Class Setting List Home > Class Setting List

**Type**

**Status**

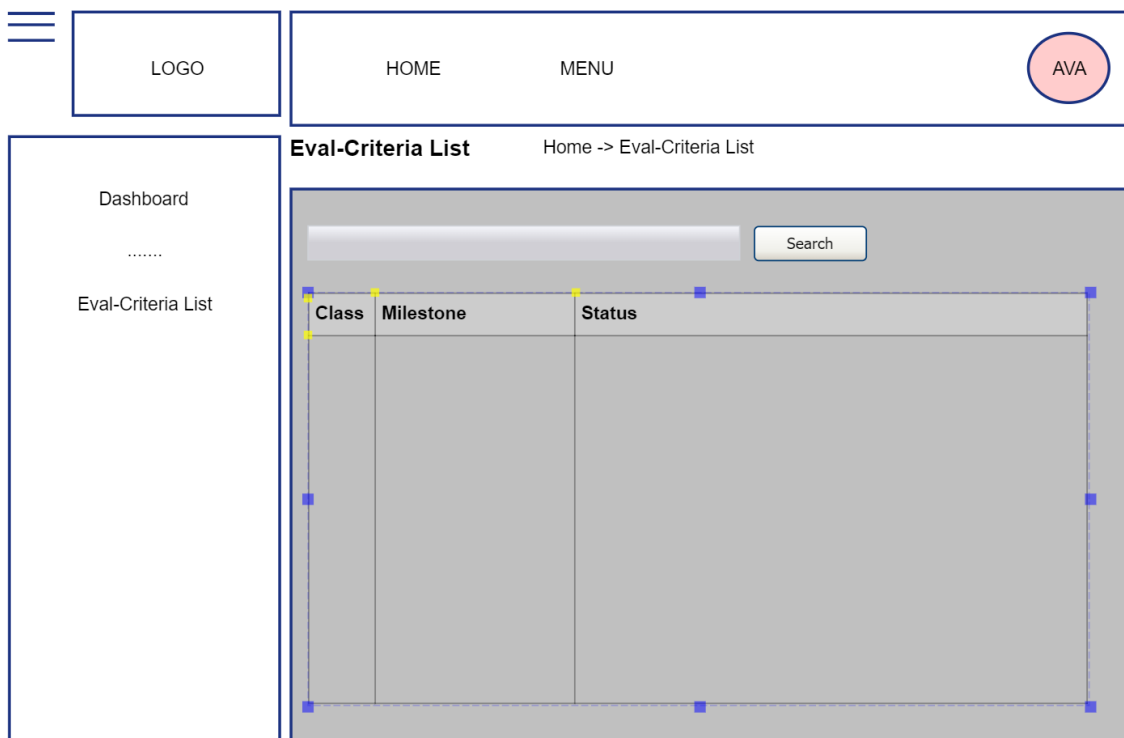
ID	Type	Title	Value	Display Order	Status	Action
	Class Setting Type1	Title 1	Class setting value abc in		<input type="button" value="Active"/>	<input type="button" value="Edit"/>
	Class Setting Type2	Title 1	Class setting value		<input type="button" value="Active"/>	<input type="button" value="Edit"/>
	Class Setting Type1	Title 2	qwefqwef		<input type="button" value="Active"/>	<input type="button" value="Edit"/>
	Class Setting Type2	fqwefw	wegr		<input type="button" value="Deactive"/>	<input type="button" value="Edit"/>
	Class Setting Type1	qwef	wgr		<input type="button" value="Deactive"/>	<input type="button" value="Edit"/>

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Next



#### f. Class Eval-Criteria List

- Function trigger: Trainer click on the “Eval-Criteria list” button from page Eval-Criteria list, then the page will be navigated through the list of fields of class setting.
- Function description: Trainer can see all fields of Eval-Criteria list. They also edit to change this setting.
- Function details: List of assessment criteria for class assignment; filter by class (1), milestone (1), status; search by criteria\_name.Screen layout:



#### g. Class Eval-Criteria Details

- Function trigger: Trainer click on the “Detail” button from page Eval-Criteria list, then the page will be navigated through the list of fields of class setting.
- Function description: Trainer can see all fields of Eval-Criteria details. They also edit to change this setting.
- Function details: List of assessment criteria for class assignment. By clicking on the Save change button, users can update it.
- Screen layout:

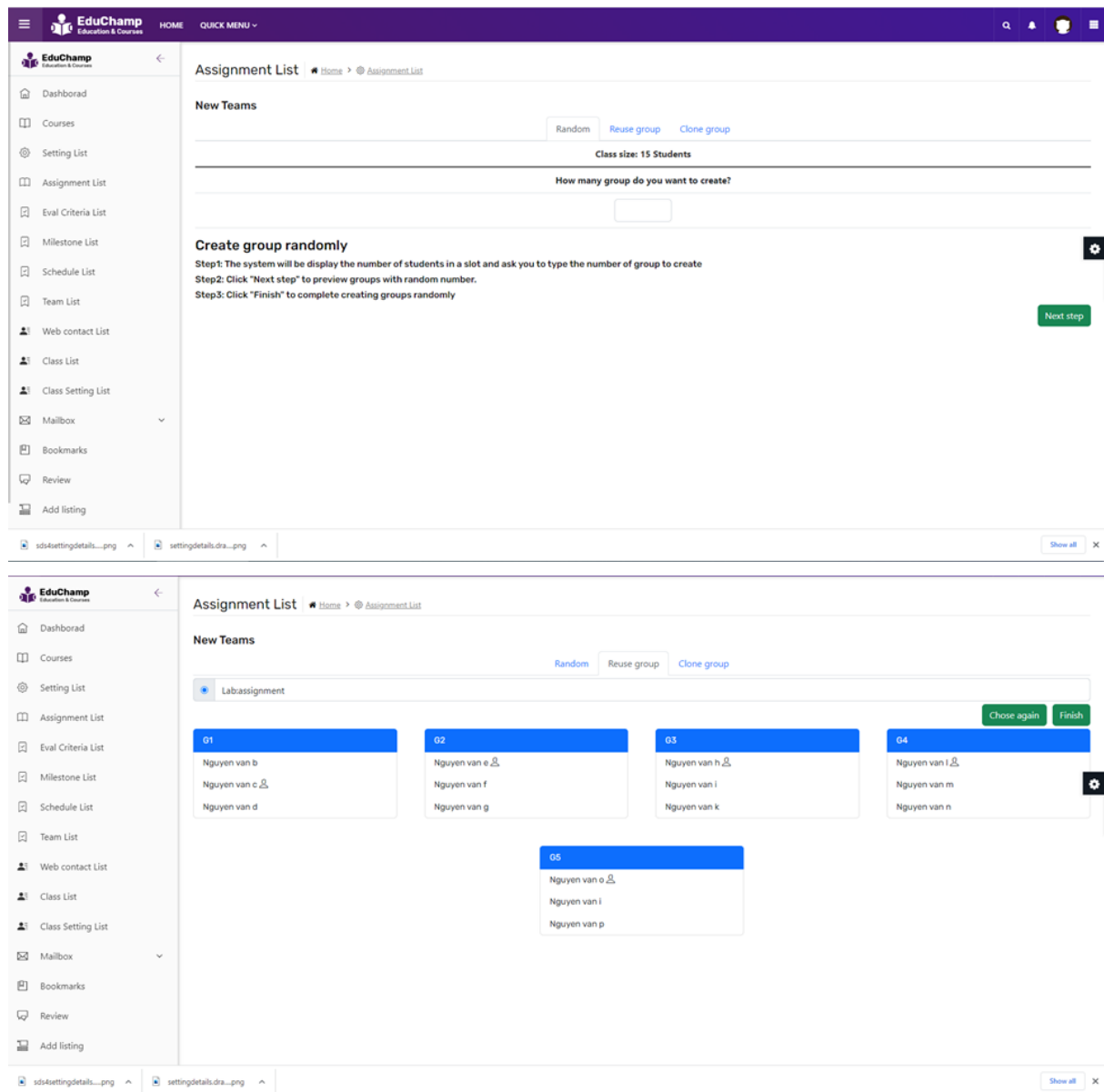
#### h. New Teams

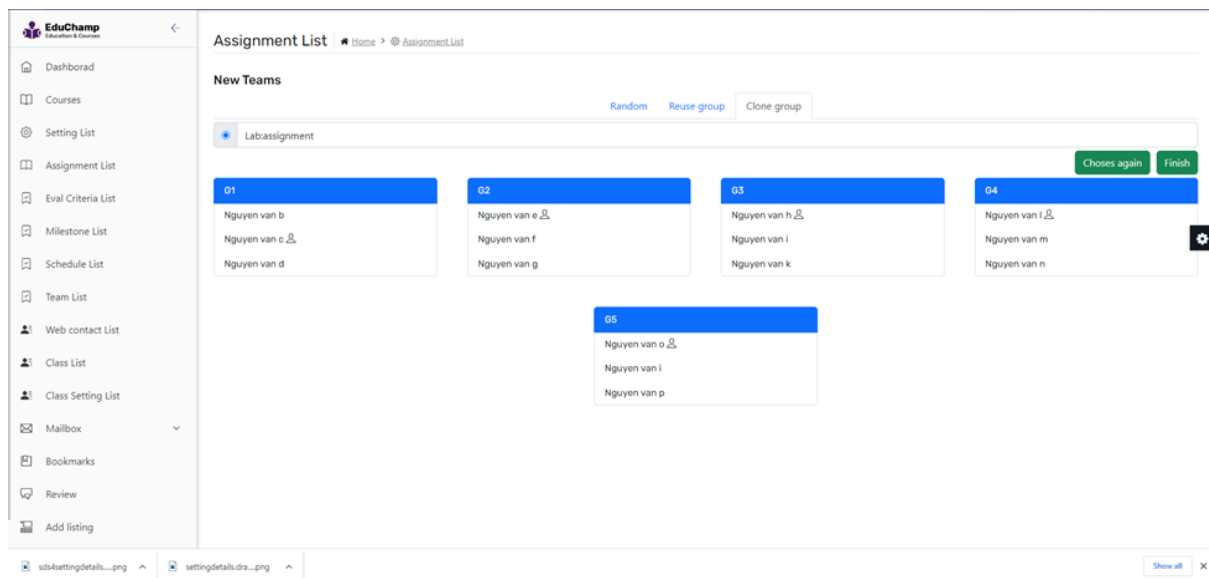
- **Function trigger:** trainer click on the create group button in team list , then the page will be navigated through the options add new team page, if user want to choose each way to create team such as random, reuse, clone, upload file
- **Function description:** display the way to create new team, trainer can create and chose number group, upload file, random, clone, reuse team in this screnn. The team add to database and return to the team list
- **Funtion details:** when trainer want to add new team for milestone. Click to create new team.

There are 4 ways for create team. Clone, reuse, random, upload file. In the upload fie, user download file excel of class have all student. And the chose the member for each team. In random, trainer input

how many group they want to create and system will be random and display the team and number of them. Each team have one leader.

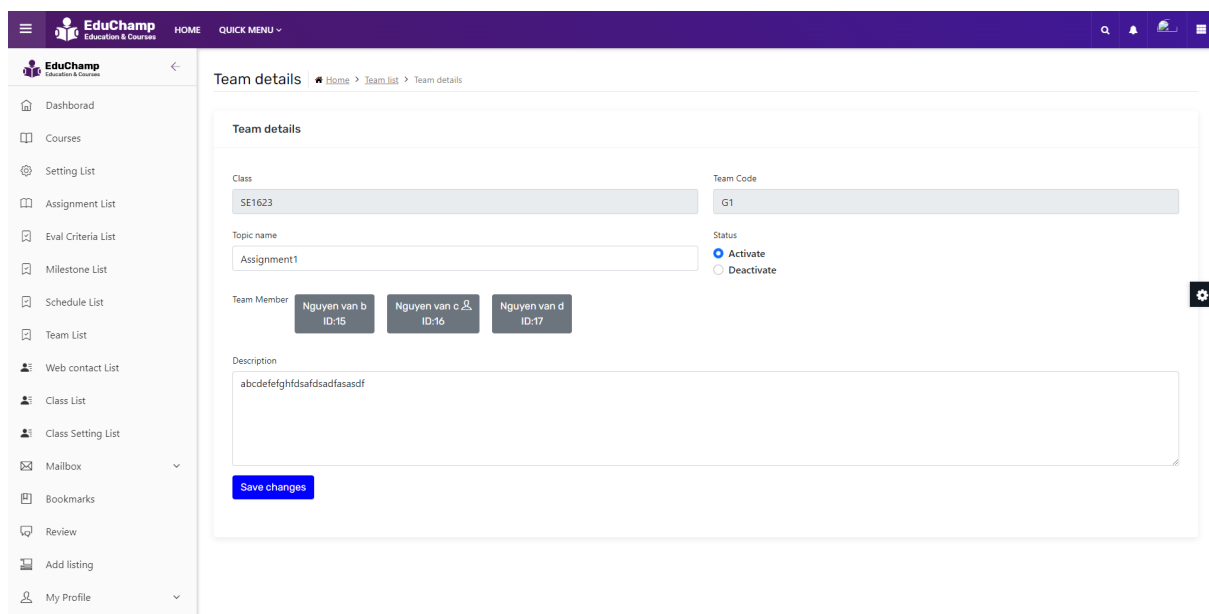
- **Screen layout:**





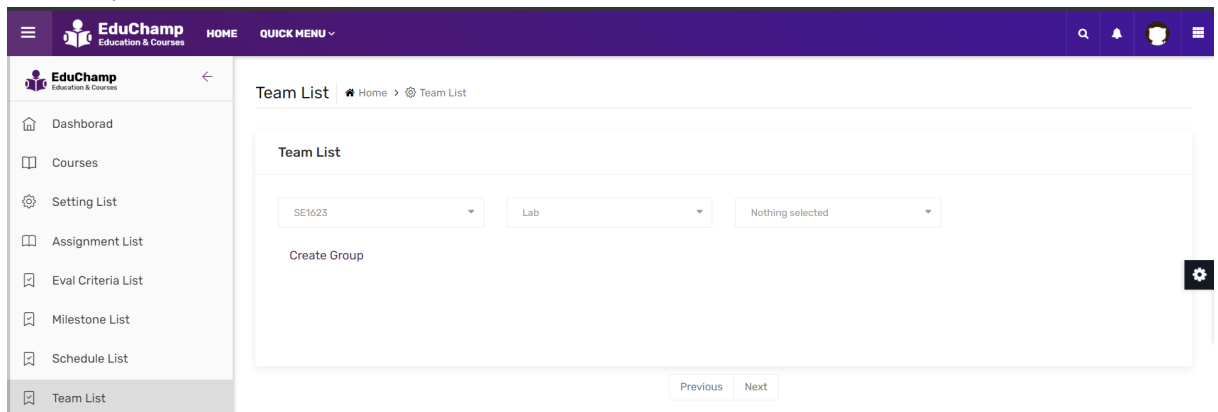
## i. Team detail

- **Function trigger:** trainer click on the edit button in team list , then the page will be navigated through the optionsfor edit team
- **Function description:** Allow the user to input team information for updating relevant team or adding new team to the team set of the milestone.
  - Fields: team code, topic name, status, description
  - When creating new team, the default status value is Active
- **Funtion details:**• Trainer can edit the team and add the new milestone for this team. The team update in database and will be have a new information. Team code,topic name, status, description can change and have new information by trainer.If the milestone start, trainer can't edit this team
- **Screen layout:**



## j. Team List

- Function trigger: list out all team
- Function description:
  - The Supporter & Trainee can view the team list & team details
  - Member Actions: Change Group, Remove Member, Set As The Leader
- Function details: Create Groups or Reset Groups - link to New Teams page to create/re-create new team set.Remove Groups - remove or unattached current team set from the selected milestone.Add New Group - add new group to change (move) a specific member to
- Screen layout:



## k. Attendance Tracking

- Function trigger: User login with account have role trainer. Trainer click on the attendance tracking button from dashboard, then the page will be navigated through the Attendance Tracking page, which will display attendance status of all student in all schedule of a class
- Function description: Allow the Supporter/Trainer to view the class trainees' attendance status of all the class schedules
- Function details: User choose a class. The screen will display all attendance status of all student in all schedule of the class. P means present, A means absent and L means late
- Screen layout:

Trainee id	Full Name	Absent (%)	10-09-2022	21-10-2022	22-10-2022	23-10-2022	24-10-2022
15	Nguyen van b	0	P	P	-	L	-
16	Nguyen van c	0	P	P	-	P	-
17	Nguyen van d	40	P	A	-	A	-
18	Nguyen van e	0	P	P	-	P	-
19	Nguyen van f	20	A	L	-	P	-
20	Nguyen van g	20	P	A	-	P	-
21	Nguyen van h	0	P	P	-	L	-
22	Nguyen van i	20	A	P	-	P	-
23	Nguyen van k	0	P	P	-	P	-
24	Nguyen van l	40	A	A	-	P	-
25	Nguyen van m	20	P	P	-	A	-
26	Nguyen van n	20	A	P	-	P	-
27	Nguyen van o	0	P	P	-	L	-
28	Nguyen van i	0	P	P	-	L	-
29	Nguyen van p	20	P	A	-	P	-

## 1. Attendance details

- Function trigger: User login with account have role trainer. Trainer click on the attendance details button from dashboard, then the page will be navigated through the Attendance details page, which will let trainer take attendance for class.
- Function description: Allow the Supporter/Trainer to add/edit the class attendance of the relevant schedule
- Function details: User choose a class. The screen will display all schedule of this class. User choose a schedule to take attendance for class in that schedule. There are 3 states of attendance: Present, late, absent. After take attendance for all trainee in class then click on button “submit”, server will save data into database.
- Screen layout:

**Attendance Details**

Choose Class ▾

Training date	From time	To time	Action
10-09-2022	07:30:00	09:00:00	<button>Edit</button>
21-10-2022	07:30:00	09:00:00	<button>Edit</button>
22-10-2022	07:30:00	09:00:00	<button>Edit</button>
23-10-2022	09:10:00	10:40:00	<button>Edit</button>
24-10-2022	09:10:00	10:40:00	<button>Edit</button>

Attendance for abc on 22-10-2022 slot from 07:30:00 to 09:00:00

Class	Trainee ID	Full name	Absent	Late	Present	Comment	Image
SE1623	15	Nguyen van b	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	
SE1623	16	Nguyen van c	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	
SE1623	17	Nguyen van d	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	
SE1623	18	Nguyen van e	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	
SE1623	19	Nguyen van f	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	
SE1623	20	Nguyen van g	<input checked="" type="radio"/> Absent	<input type="radio"/> Late	<input type="radio"/> Present	<input type="text"/>	

## 6. System:

### a. User Authorization

- Function trigger: The screen shows the functions of user
- Function description: This function configures access rights for link check, Slider Menu, Header & Footer

## 7. Trainee:

### a. Schedule attendance

- Function trigger: User login with account have role trainee. Trainee click on the schedule attendance button from dashboard, then the page will be navigated through the schedule attendance page, which will display attendance status of all schedule of class.
- Function description: List out class schedules of the selected class & the student attendance status for each schedule
- Function details: Trainee choose a class. The screen will display all schedule of this class and attendance status of each schedule. There are 4 states of attendance in this screen: Present, late, absent, and future (not scheduled yet).
- Screen layout:

