Gebze Technical University

CSE343 Software Project

Team Unexpected

2nd Presentation Report

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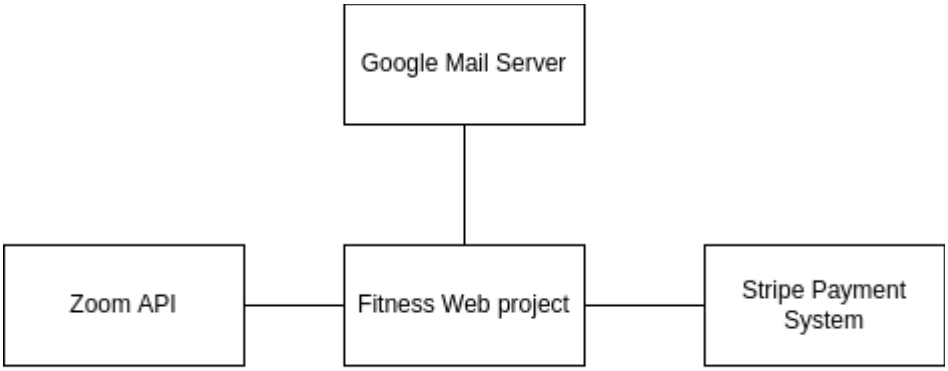
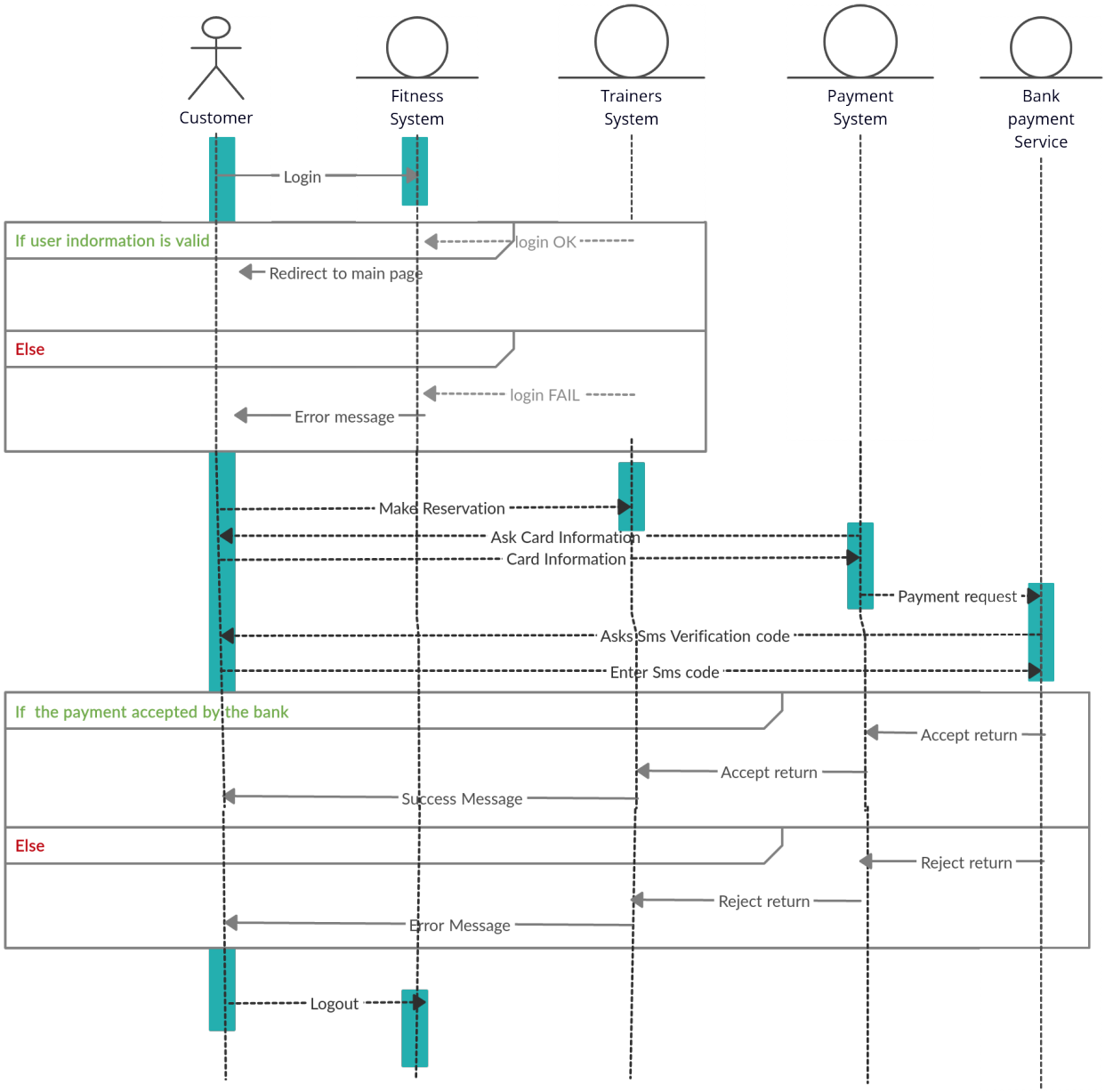
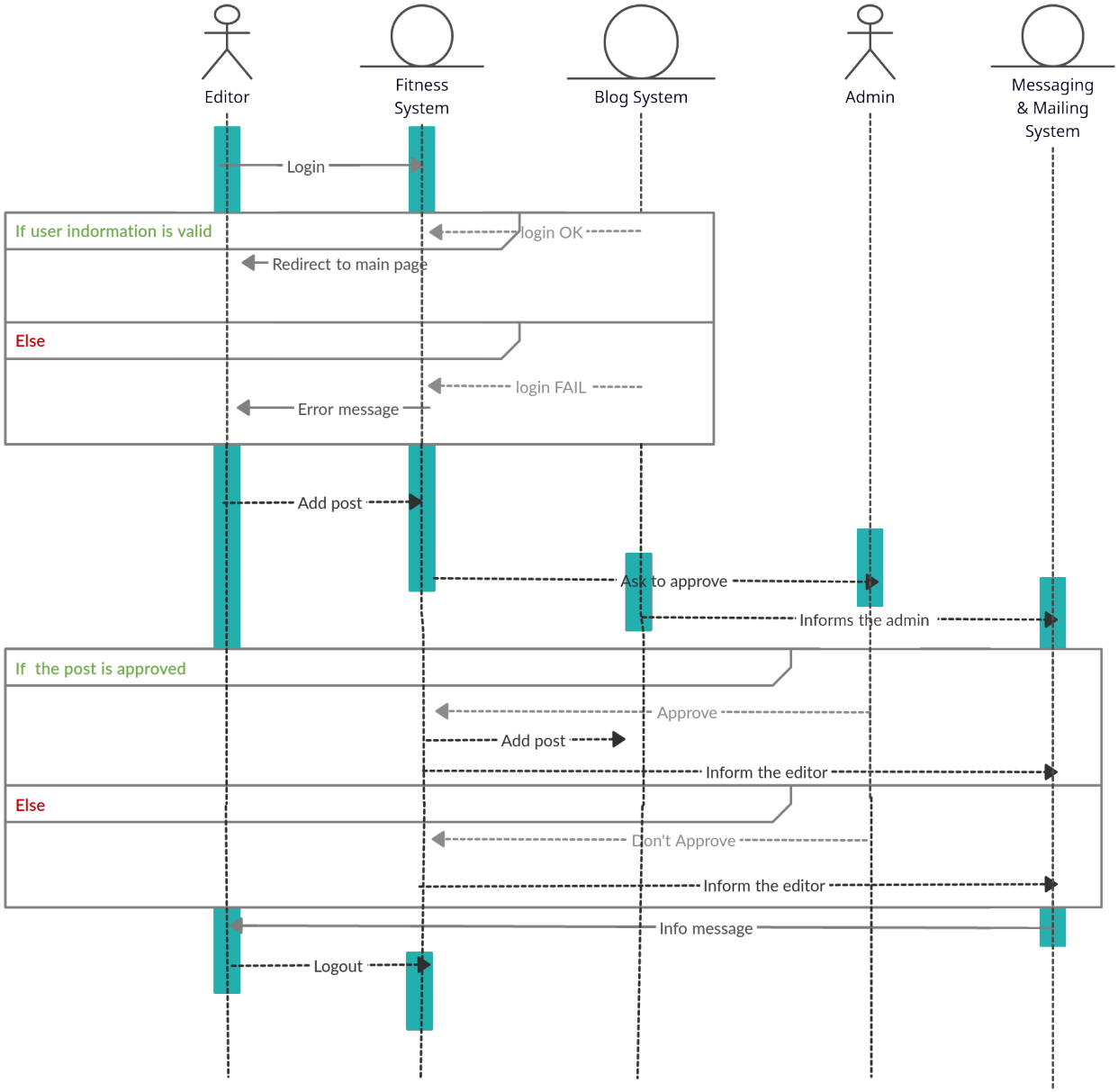
Context Model Diagram



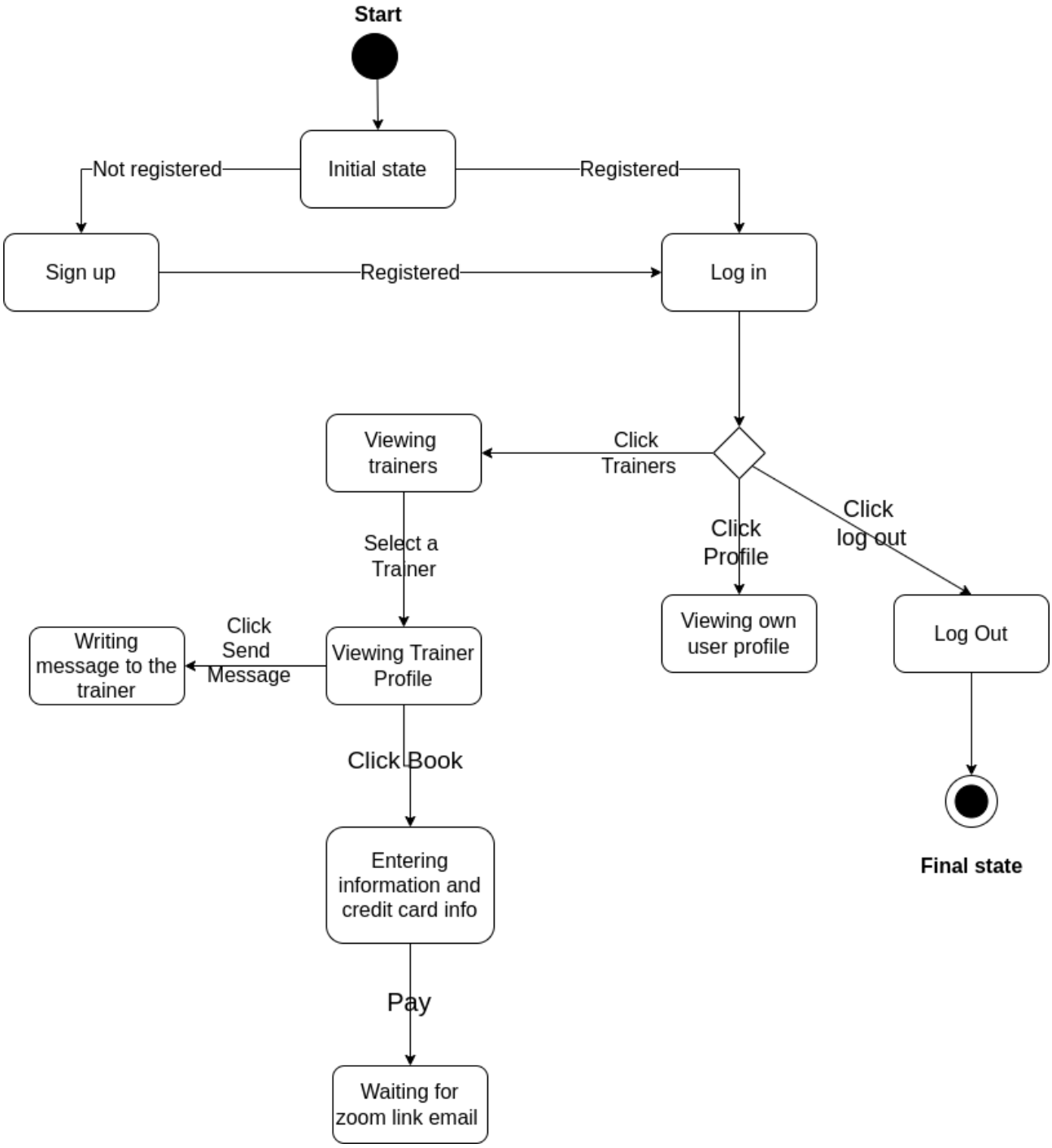
Making Reservation Sequence Diagram



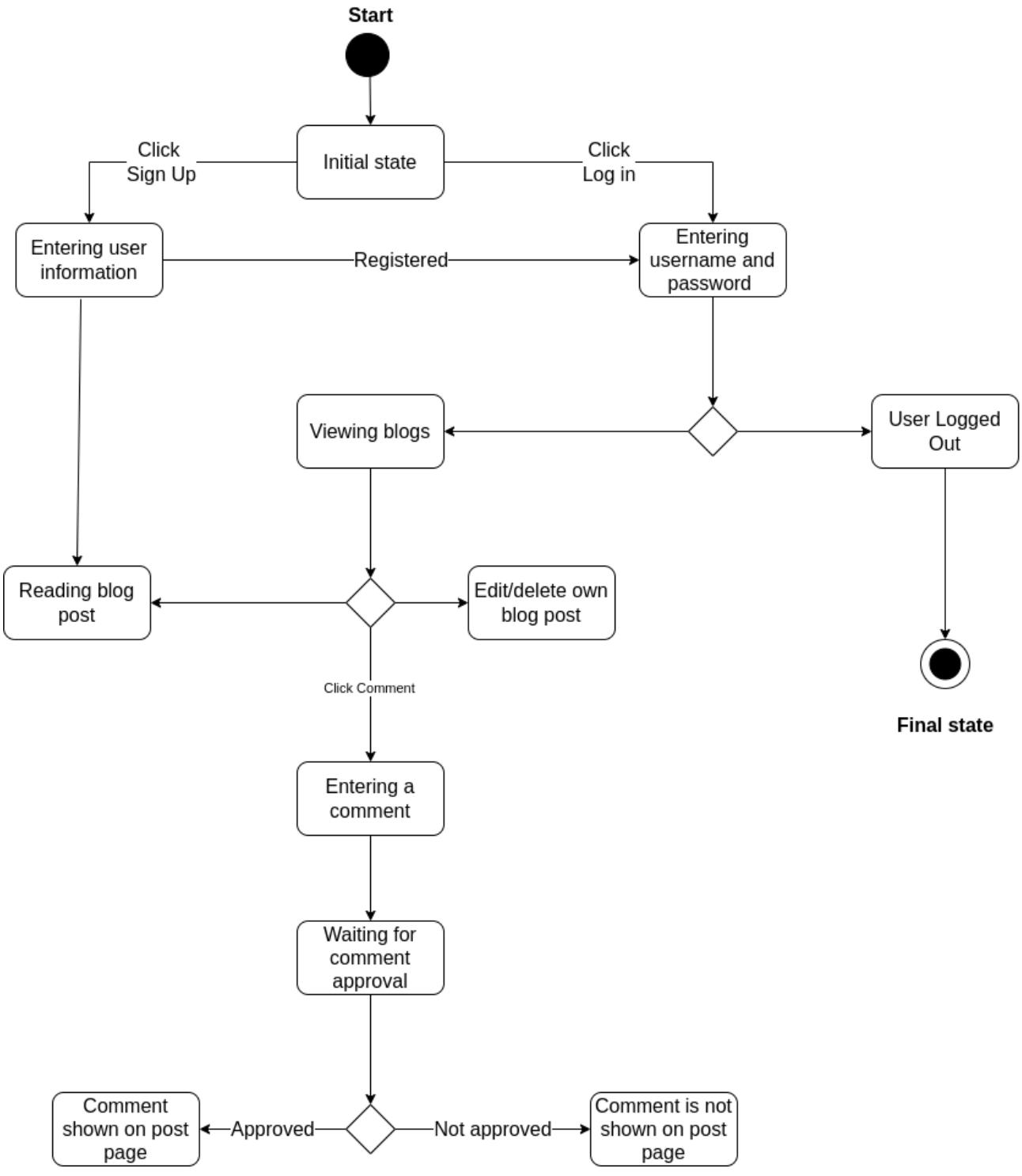
Adding Post Sequence Diagram



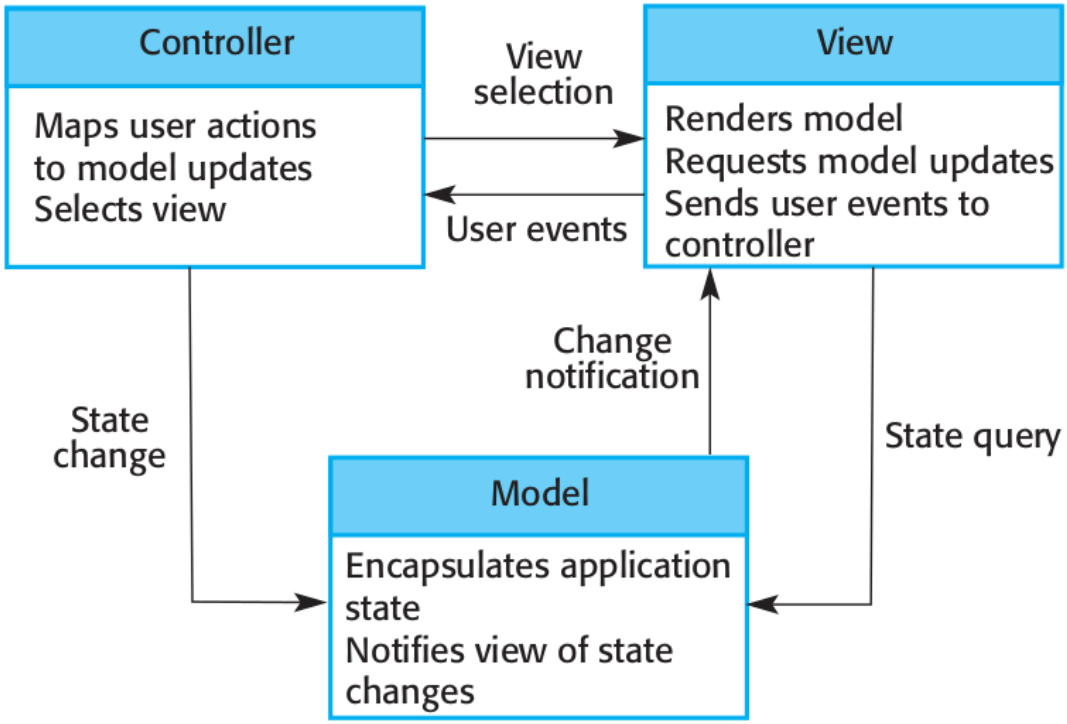
Reservation State Diagram



Blog State Diagram



Simple System Architecture

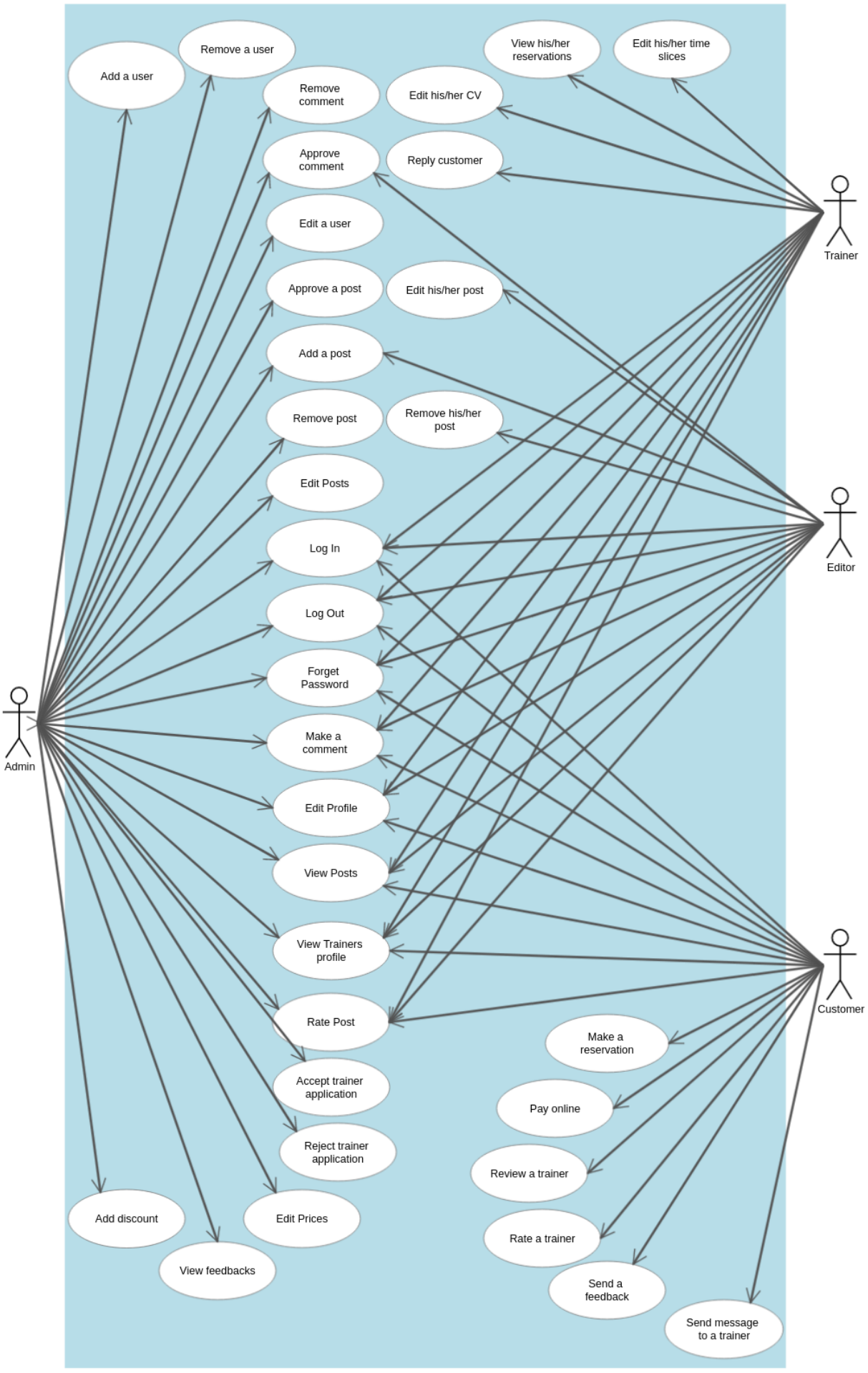


We selected the MVC system architecture design because our project is a web app project and it holds lots of data. We need to process this data according to user actions and operations. Also needed to save these data to a database. Html pages should be dynamically generated. These needs directed us to use mvc architectural design. Mvc is applicable for complicated projects because frontend, backend and model sides are divided. They can work independently. So MVC is best solution for us.

Why our project is accesible to the potential users ?

In todays our every work is realized as online. Pandemic situation increased this so much. Education, shopping etc. are online now. The people who restricted in their home is bored at home. They can not go fitness clubs. So he/she can use our fitness system to read news about health, live and fitness. They can also make reservations with proffessional trainers. The trainer may come to the customer want. This place can be a sport saloon of his/her building or a nearest fitness club. Moreover this can be realized as on line via zoom app. If the user selects to make training as online then the system will give he/she a zoom access link for the reservation. Yes, All of them in one place, in our project. We are sure our project attract users. Because there are lots of people must stay at home.

Use Case Diagram



USE CASE TABLE

System	Administration of Users
Use Case	Add User
Actors	Admin Panel,User Database
Data	Admin enters the information of user to the admin panel. Those informations go to the user database for adding new user.
Stimulus	Admin panel make a contact with user database for demanding to add new user.
Response	User database takes some data of user from admin panel and makes new user.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Users
Use Case	Remove User
Actors	Admin Panel,User Database
Data	Admin controls panel and sees user acount. Every user can delete with just one click in this panel. When admin click this user , user database removes this user.
Stimulus	Admin panel makes a contact with user data base for demanding to remove new user.
Response	User database make reaction with clicking to user from admin panel and removes this user.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Remove Comments
Actors	Admin Panel,Blog Database
Data	Admin controls panel and sees user coments. Every comments can delete with just one click in this panel. When admin click this comment , blog database removes this comment.
Stimulus	Admin panel makes a contact with blog database for demanding to remove comment.
Response	Blog database make reaction with clicking to comment from admin panel and removes this comment.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Approve Comments
Actors	Admin Panel and Editor Panel,User Database
Data	Admin or editor controls panel and sees user coments. Every comments can approve with just one click in this panel. When admin approve this comment , blog database approves this comment add this comment to approved comment.
Stimulus	Admin or editor panel makes a contact with blog data base for demanding to approve comment.
Response	Blog database make reaction with clicking to comment from admin or editor panel and approves this comment.
Comments	Admin or editor can make this operation from admin panel whenever he wants.

System	Administration of Users
Use Case	Edit User
Actors	Admin Panel,User Database
Data	Admin choses one user and enters the edited information of user to the admin panel. Those informations go to the user database for editing user.
Stimulus	Admin panel make a contact with user database for demanding to edit user.
Response	User database takes some edited data of user from admin panel and makes edit to the user.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Approve Post
Actors	Admin Panel ,User Database
Data	Admin controls panel and sees user post. Admin can approve this post with just one click in this panel. When admin approve this post , blog database approves this post and add the post to approved post.
Stimulus	Admin panel makes a contact with blog database for demanding to approve post.
Response	Blog database make reaction with clicking to post from admin panel and approves this post.

Comments	Admin or editor can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Add Post
Actors	Admin Panel and Editor Panel,User Database
Data	Admin or editor can enter some posts information and those informations go to the blog database. Blog database makes a new post with those datas.
Stimulus	Admin or editor panel makes a contact with blog data base for demanding to add new post.
Response	Blog database make reaction with coming datas from admin or editor panel and adds new post.
Comments	Admin or editor can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Remove Post
Actors	Admin Panel,Blog Database
Data	Admin controls panel and sees user posts. Every posts can delete with just one click in this panel. When admin click this post , blog database removes this post.
Stimulus	Admin panel makes a contact with blog database for demanding to remove post.
Response	Blog database make reaction with clicking to comment from admin panel and removes this comment.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Blog
Use Case	Edit Post
Actors	Admin Panel,User Database
Data	Admin choses one user post and enters the edited information of user post to the admin panel. Those informations go to the user database for editing user post.
Stimulus	Admin panel make a contact with user database for demanding to edit user post.
Response	User database takes some edited data of user post from admin panel and makes edit to the user post.

Comments	Admin can make this operation from admin panel whenever he wants.

System	User Authentication
Use Case	Log In
Actors	User,User Database
Data	User enters the id and password to the log in page and user database control this id and password afterthat if it is true it will send message to the login page , user logged into the system.
Stimulus	Log in page make a contact with user database for demanding to control the user id and password for log in operation.
Response	User database takes id and password of user from log in page and makes control of user id and password.
Comments	User database takes all of users data like admin,editor,customer,trainer.

System	User Authentication
Use Case	Log Out
Actors	User,User Database
Data	User clicks the log out button from page and user database cuts connection of user with the system.
Stimulus	Log out page make a contact with user database for demanding to log out of user from system .
Response	User database cuts connection of user with system. User can not access any functional ability of him.
Comments	User database takes all of users data like admin,editor,customer,trainer.

System	User Authentication
Use Case	Forget Password
Actors	User,User Database
Data	User clicks forget password button from page and enters his mail for getting new password and user database sends new password to this mail.
Stimulus	Forget password page make a contact with user database for demanding to get new password of user from system .
Response	User database send new password to entered mail.

Comments	User database takes all of users data like admin,editor,customer,trainer.

System	User Authentication
Use Case	Edit Profile
Actors	User,User Database
Data	User enters editted profile information to his special profile page and those information gets from user database and edits this profile.
Stimulus	Profile page make a contact with user database for demanding to edit this profile with entered information of profile.
Response	User database edits profile data of user.
Comments	User database takes all of users data like admin,editor,customer,trainer.

System	Blog System
Use Case	View Post
Actors	User,Blog Database
Data	User can view posts. Blog database send this posts to the blog page.
Stimulus	User click one post and g oto post page and blog post page demand post data from blog database.
Response	Blog database sends post data to the blog database.
Comments	Blog database sends post data automaticaly to the blog post page when user wants to see post.

System	Blog System
Use Case	Rate Post
Actors	User,Blog Database
Data	User can rate posts. Blog database updates current rate when the user rates any post.
Stimulus	User rates the posts and blog page send a request to blog database for updating current rate.
Response	Blog database update current rate of post.
Comments	Every user can rate any posts.

System	Administration of Users
Use Case	Accept Trainer Application
Actors	Admin Panel,User Database
Data	Admin can see trainer application from admin panel and apply their application. When admin apply any application, user database accept this acount.
Stimulus	Admin panel applies and makes a contact with user database for accepting to new trainer application.
Response	User database takes apply signal from admin panel and accept new trainer application.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Users
Use Case	Reject Trainer Application
Actors	Admin Panel,User Database
Data	Admin can see trainer application from admin panel and reject their application. When admin rejects any application, user database rejects this acount.
Stimulus	Admin panel rejects and makes a contact with user database for rejecting to new trainer application.
Response	User database takes reject signal from admin panel and reject new trainer application.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Users
Use Case	Edit Prices
Actors	Admin Panel,User Database
Data	When admin can view trainer price and make some arrangement on admin panel, user database changes the trainer price.
Stimulus	Admin panel demand update for price from user database.
Response	User database updates price of trainer.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Administration of Users
Use Case	View Feedbacks
Actors	Admin Panel,User Database
Data	When admin can view trainer feedbacks, user database sends the trainer feedbacks to the trainer page.
Stimulus	Admin panel demand trainer feedbacks from user database.
Response	User database send trainer feedbacks to trainer page.
Comments	Admin can make this operation from admin panel whenever he wants.

System	Reservation System
Use Case	Edit Time Slices
Actors	Trainer Panel,User Database
Data	Trainer edits their time slices from trainer panel, user database update their time slices.
Stimulus	Trainer panel demand to edit their time slices from user database.
Response	User database change trainer time slices with coming data from trainer panel.
Comments	Trainer just can choose proper hour, they can not add extra hour for their time slices.

System	Reservation System
Use Case	View Reservation
Actors	Trainer Panel,User Database
Data	When trainer can view trainer reservations, user database sends the trainer reservations to the trainer page.
Stimulus	Trainer panel demand trainer reservations from user database.
Response	User database sends trainer reservations to trainer page.
Comments	Trainer can make this operation from trainer panel whenever he wants.

System	Reservation System
Use Case	Edit CV
Actors	Trainer Panel,User Database
Data	Trainer edits their CV from trainer panel, user database update their CV.

Stimulus	Trainer panel demand to edit their CV from user database.
Response	User database change trainer CV with coming data from trainer panel.
Comments	Trainer can make this operation from trainer panel whenever he wants.

System	Reservation System
Use Case	Reply Customer
Actors	Trainer Panel,Customer
Data	Trainer replies reservation from trainer panel, customer takes this message.
Stimulus	Trainer panel send message to customer about replying.
Response	Customer takes the repylying from trainer panel.
Comments	Trainer can make this operation from trainer panel whenever he wants.

System	Reservation System
Use Case	Make Reservation
Actors	Customer Panel,Trainer Panel
Data	Customer views the poper time slices of trainer and chooses one proper time. When customer chooses proper time, this time is filled in trainer panel.
Stimulus	Customer panel demand time slices and send a request about filling time.
Response	Trainer panel send time slices and take reservation demanding from customer panel.
Comments	Customer can make this operation from trainer panel whenever he wants.

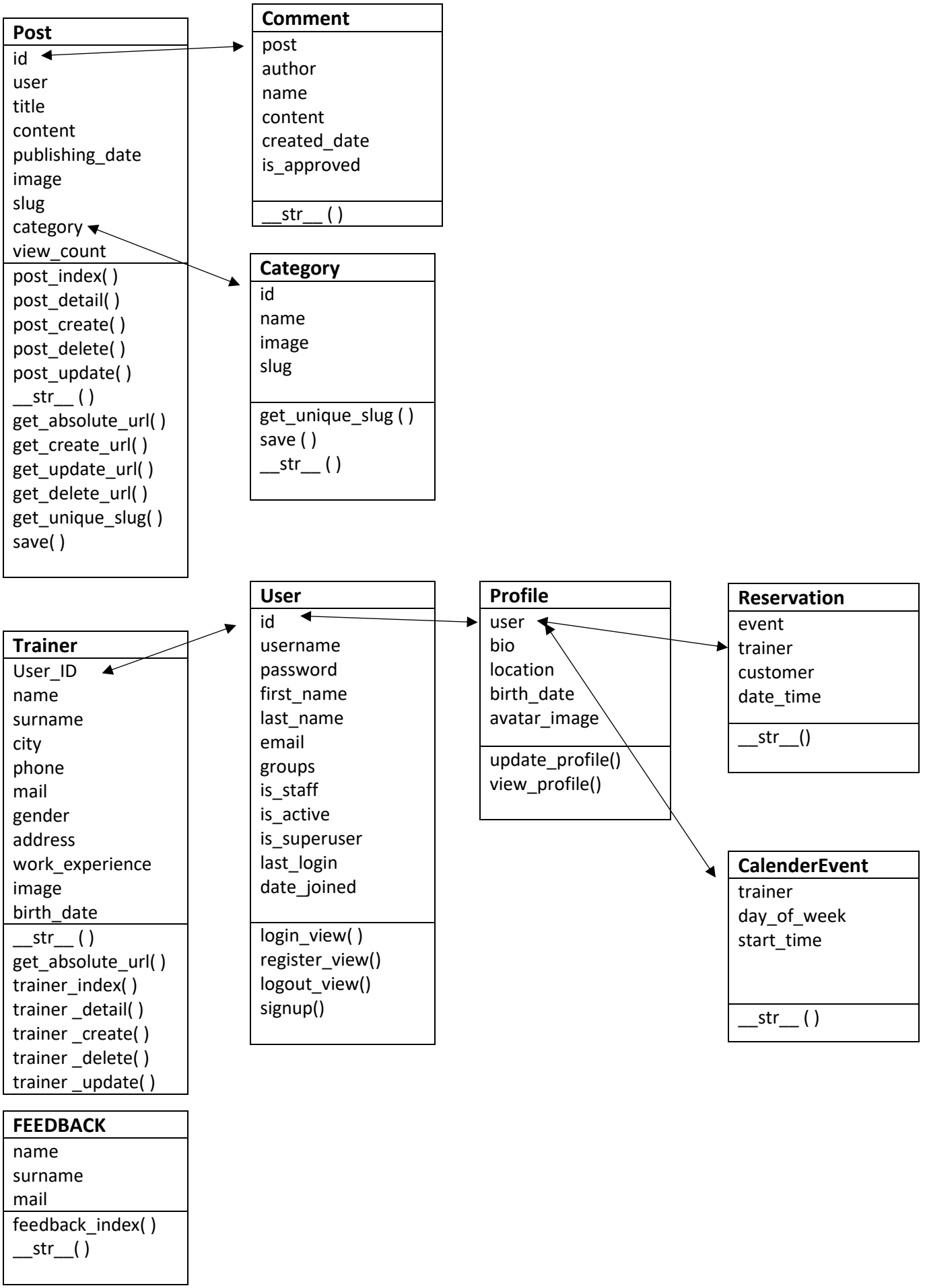
System	Payment System
Use Case	Pay Online
Actors	Customer Panel,Payment API
Data	Customer pay for his course with their credit card information.
Stimulus	Customer panel send their credit card data to the payment api.
Response	Payment api takes credit card information and makes payment.
Comments	Customer can make this operation from trainer panel whenever he wants.

System	Trainer System
Use Case	Rate Trainer
Actors	Customer,Trainer Database
Data	Customer can rate trainer. Trainer page updates current rate when the customer rates any trainer.
Stimulus	Customer rates the trainer and trainer page send a request to trainer database for updating current rate.
Response	Trainer database update current rate of post.
Comments	Customer can make this operation from trainer panel whenever he wants.

System	Trainer System
Use Case	Send Message to Trainer
Actors	Customer,Trainer
Data	Customer can send message about anything to trainer.
Stimulus	Customer sends message to trainer .
Response	Trainer takes message and views.
Comments	Customer can make this operation from trainer panel whenever he wants.

System	Trainer System
Use Case	Send Feedback to Trainer Page
Actors	Customer,Trainer Page
Data	Customer can send feedback about trainer to trainer page. Trainer page adds this feedback to the other feedback.
Stimulus	Customer sends feedback to trainer page .
Response	Trainer page updates feedback with coming feedback.
Comments	Customer can make this operation from trainer panel whenever he wants.

Class Diagram



Test Cases

Id	Scenario	User	Steps	Input Data	Actual Result	Expected Results	Status (Pass / Fail)
1	Check all user groups(admin / trainer / editor / student) logins with valid data	All	1. Go to login page 2. Enter valid user name and password 3. Click login	user name : admin password: admin	Redirects to home page	Redirects to home page	Pass
2	Check all user groups(admin / trainer / editor / student) logins with invalid user name		1. Go to login page 2. Enter invalid user name and password 3. Click login	user name : trainer password: trainer	An error message that says user name or password is not correct.	An error message that says user name or password is not correct.	Pass
3	Check all user groups(admin / trainer / editor / student) logins with invalid password		1. Go to login page 2. Enter valid user name and invalid password 3. Click login	user name : editor password: editor	An error message that says user name or password is not correct.	An error message that says user name or password is not correct.	Pass
4	Edit own profile information with invalid fields. (e-mail, phone)		1. Go to profile page 2. enter invalid e-mail and phone number. 3. complete editing	user name : student password: student	An error message is shown to validate them.	An error message is shown to validate them.	Pass
5	Log out with a logged in user		1. Click log out button	Click log out button	Returns to the main screen	Redirects to main page.	Pass
6	Forget Password with registered e-mail address		1. Go to forget password page 2. Click Forget password 3. Enter mail address	Click Forget password	An e-mail is sent to the user.	An e-mail is sent to the user.	Pass
7	Forget Password with unregistered e-mail address		1. Go to forget password page 2. Click Forget password 3. Enter an unregistered mail address	Click Forget password	No such user with given e-mail error message.	No such user with given e-mail error message.	Pass
8	Edit own profile information with valid fields.		1. Go to profile page 2. Change some fields. 3. complete editing	click to profile page	Refreshes the page	Refreshes the page	Pass
9	Listing and viewing the messages.		1. Login as a user. 2. Go to in-box page.	click in-box page.	The messages of the user is shown as a list.	The messages of the user is shown as a list.	Pass
10	Sending a feedback without login.	Not logged in	1. Click send feedback 2. Enter topic field and text field. 3. Send the feedback	user name : student password: student send the feedback	The feedback is sent successfully message.	The feedback is sent successfully message.	Pass
11	Sending a feedback with log in	Logged in	1. Enter user name and password or sign up 2. Click send feedback 3. Enter a message. 4. Send the message to the trainer	click and send the feedback	The feedback is sent successfully message.	The message is sent successfully message.	Pass
12	Comment a post with logged in as a user		1. Log in 2. Click a post 3. Enter a comment to text field 4. Send the comment	click a post and enter comment to text field	Redirects to the post page after login and return to main page	Redirects to the post page after login and return to main page	Pass
13	Sign up with valid data	Not Registered	1. Click sign up. 2. Enter some valid data. 3. Send the form. 4. Log in	click sign up	Redirects to home page.	Redirects to home page.	Pass
14	Sign up with invalid data (e-mail, phone, password)		1. Click sign up. 2. Enter invalid e-mail, password, phone number. 3. Send the form.	click sign up	Warns the user to correct the invalid fields.	Warns the user to correct the invalid fields.	Pass
15	Editing a post on editor page.	Editor	1. Login as editor. 2. Open the posts. 3. Click a post. 4. Change the content. 5. Submit for approval.	click a post change the content	Post is updated	Post is updated	Pass
16	Hiding a published post on editor page.		1. Login as editor. 2. Open the posts. 3. Click a post. 4. Uncheck the publish box.	Click a post. Uncheck the publish box.	The post is not shown after that moment.	The post is not shown after that moment.	Pass
17	Register trainer by filling a form with invalid fields		1. Login as admin 2. Click add trainer 3. Enter nothing to the required fields. 4. Submit.	Click apply to be trainer	An error message that says that fill all required fields.	An error message that says that fill all required fields.	Pass

18	Register trainer by filling a form with valid fields	**Trainer**	1. Login as admin 2. Click add trainer 3. Enter values to the required fields. 4. Submit.	Click apply to be trainer	Informs admin by sending mail	Informs admin by sending mail	Pass
19	Editing a profile of trainer with invalid field / fields (Invalid e-mail, phone)		1. Login as admin 2. Go to trainers page. 3. Change the e-mail, phone with invalid ones. 4. Press submit.	Click to profile page	An error message that says that e-mail and phone is not valid.	An error message that says that e-mail and phone is not valid.	Pass
20	Viewing own reservations.		1. Login admin panel as trainer. 2. Go to reservations page.	Click reservations	Lists all reservations the trainer have.	Lists all reservations the trainer have.	Pass
21	Editing own free time slices.		1. Login as trainer. 2. Go to time time slices page. 3. Add a new time slice. 4. Remove a time slice.	Click remove	Removed successfully and added successfully messages.	Removed successfully and added successfully messages.	Pass
22	Removing a post on admin page.	**Admin**	1. Login as admin. 2. Go posts page. 3. Click one of them. 4. Click remove.	Click to posts page and remove	A short message is shown to admin.	A short message is shown to admin.	Pass
23	Approving a comment on admin page.		1. Login as admin. 2. Go to waited comments page 3. Click one of them. 4.Click Approve button.	Click to comment page and approve	A short message is shown to admin. The user informed by a message and e-mail his/her comment is approved.	A short message is shown to admin. The user informed by a message and e-mail his/her comment is approved.	Pass
24	Refusing a comment on admin page.		1. Login as admin. 2. Go to waited comments page 3. Click one of them. 4. Click refuse button. 5. Select or write a reason.	Click to comment page and Press Refuse button.	The editor informed by a message and e-mail with the reason.	The editor informed by a message and e-mail with the reason.	Pass
25	Removing a comment on admin page.		1. Login as admin. 2. Go to comments page 3. Click one of them. 4. Click remove button.	Click to comment page and Press remove button.	Removed successfully message is shown.	Removed successfully message is shown.	Pass
26	Adding a user on admin page by filling valid information.		1. Login as a admin. 2. Go to users page. 3. Click add button. 4. Fill the information fields. 5. Click save button.	Click users page ,enter user information and add button	Redirects to the user list page.	Redirects to the user list page.	Pass
27	Adding a user on admin page by not filling password field.		1. Login as a admin. 2. Go to users page. 3. Click add button. 4. Do not passwordl fields. 5. Click save button.	Click users page and add button	Error message is shown to fill required fields.	Error message is shown to fill required fields.	Pass
28	Editing a user on admin page with invalid fields.		1. Login as a admin. 2. Go to users page. 3. Select one of the users. 4. Change some fields as invalid. 5. Click save button.	Click users page and save button	Error message is shown to fill as valid.	Error message is shown to fill as valid.	Pass
29	Editing a user on admin page with valid fields		1. Login as a admin. 2. Go to users page. 3. Select one of the users. 4. Change some fields. 5. Click save button.	Click users page and save button	The user updated successfully message is shown.	The user updated successfully message is shown.	Pass
30	Making a reservation with a trainer on a free time slice.	**Student (Customer)**	1. Login as a student. 2. Go to trainers page. 3. Click on a trainer. 4. Select a time slice. 5. Enter card information 6. Enter the sms payment verification code.	Select the one of the free time slice	A success message is shown and mail sent	A success message is shown and mail sent	Pass
31	Entering valid card information		1. Login as a student. 2. Go to trainers page. 3. Click on a trainer. 4. Select a time slice. 5. Enter card information.	A valid card information	An error message that says card information is wrong.	An error message that says card information is wrong.	Pass
32	Send a feedback with empty topic / text.		1. Login as a user. 2. Click send feedback 3. Enter topic field and text field. 4. Send the feedback	Click send feedback Enter topic field and text field. Send the feedback	System show warning message that tells fields can not be empty	System show warning message that tells fields can not be empty	Pass
33	Send a message to the trainer with a logged in user		1. Login as a user. 2. Go to a trainers profile page. 3. Click send message button. 4. Write a message and send.	Click send message button on trainer profile page	The sent message is shown message area.	The sent message is shown message area.	Pass