04170207

Software Engineering

Muscles Monsters(fitness club)

Final SRS

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Contents

Introduction

Software Purpose

- **Automating our activities in fitness Clubs to encourage and attract more customers.**

Software Scope

- **Automating admission and paying fees process through an online money transfer service.**
- **Giving the ability to members to select perfect Trainers as they wish.**
- **Attracting members with new Packages and discounts.**
- **Observing members activities and advising lazy members to do more Workouts.**
- **strict attendance system Managed by the admin to prevent absence.**

Requirements

Functional Requirements

Members can:

1. Booking and paying Fees online using an online money transfer service.
2. View available skilled Trainers and pick anyone you want.
3. Selecting your own package depending on your own preferences and case.
4. Giving feedback to trainers to help others decide.
5. View Their profile

Admin can

6. Login to the System using his own credentials.
7. Managing packages to attract new members.
8. Managing members details (adding-updating-deleting)

9. view attendance and the package of a member.

Trainer can

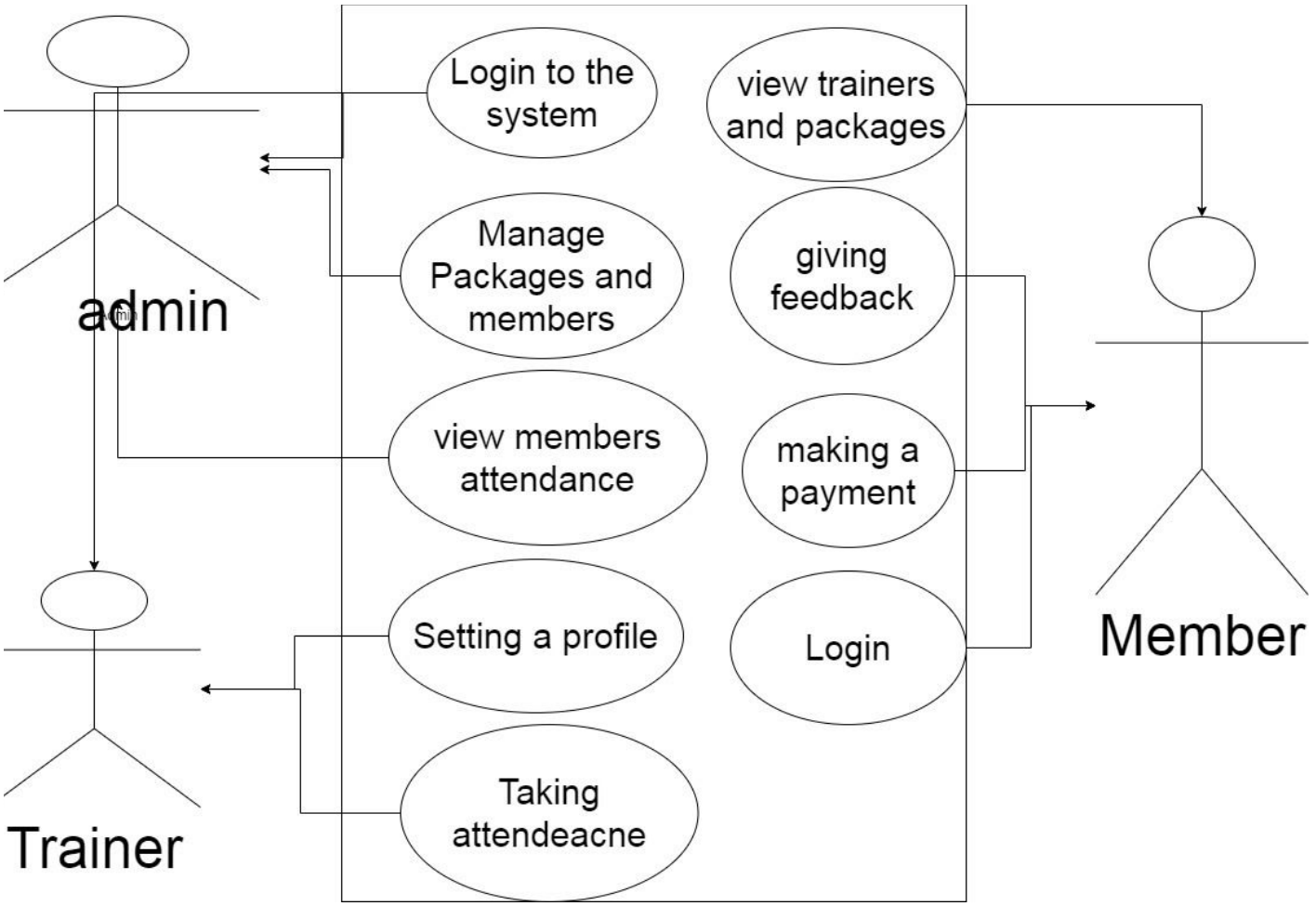
10. Setting his own profile and then login to it
11. Take the attendance.
12. Changing his own password and profile.

Non Functional Requirements

1. Automating the admission process and making the registration process easy and fast.
2. An Powerful Encryption Algorithm to hash user's credit card data from hackers.
3. Attracting members with a fully automated packages system and discounts offers.
4. Making a feedback System to help new members select their own suitable trainer.
5. Strict attendance system to make members participate more.

System Models

1- Use Case Model



1- Use Case Tables

Use Case ID:	1	
Use Case Name:	Login to the System	
Actors:	Admin-members-Trainer	
Pre-conditions:	display the login page for user	
Post-conditions:	Successful login or failed with a message	
Flow of events:	User Action	System Action
	1- user Enter his Email And password	
		2-System search in the database
		3-if successed login, System will Verify user data and Specify what's kind he is (Admin-member-Trainer) Then displays The suitable page
Exceptions:	User Action	System Action
	1- the user Enter his Email And password	
		2-if Email or password was not found in the database , the System will refuse it and Display a Message to the User for re-submitting the failed
	3-if the user forget his password	4- sending an email to re-setting his password

Use Case ID:	2	
Use Case Name:	Manage packages And Members	
Actors:	Admin	
Pre-conditions:	Displaying a page with ALL options to update Member's data (adding -deleting-View Members registration details - view attendance)	
Flow of events:	Admin Action	System Action
	1-Selecting adding Members	
		2-displaying a new page asking the admin to send user-information to add it .
	3- Sending user-information	
		4- Receiving user-information and then Inserting it into the database .
	1 - If the admin Select updating Member's options	
		2-Asking the admin for sending New member's data
	3- Sending new user-information After Updating it.	
		4-System receiving new information and then Inserting it into the database
		5-returns with a "successful edit" message.

	1 - If the admin Select Deleting a Member	2-Asking for the member name to be removed.
	3-Selecting a member.	
		4-returning with a confirmation message to remove.
	5-Accept the removing process.	
		4-Deleting it permanently from the database.

Use Case ID:	3	
Use Case Name:	View attendance of Members	
Actors:	Admin	
Flow of events:	Admin Action	System Action
	1- Navigate to Attendance Page and select a member	
		2- Using this member-id , System collects data from the database.
	3- Checking if the saved data is Matching the real data	
Exceptions:	Admin Action	System Action
	1- admin surprisingly discovers there is a Wrong data in the database , and Takes an action with the Trainer and making him pays fine.	

Use Case ID:	4	
Use Case Name:	View Packages and Trainers , Then making a payment	
Actors:	Members	
Pre-conditions:	display available packages and Perfect Trainers	
Flow of events:	User Action	System Action
	1- browsing then booking a suitable package price with a perfect trainer based on his rating	
		2-asking for a payment methods
	3-adding his credit card information then submitting it	
		4- checking his balance then booking his package.
Exceptions:	User Action	System Action
		1- Wrong credit card information or no balance will end with an error page
	2- Selecting new method to pay	

Use Case ID:	5	
Use Case Name:	Giving feedback to Trainers	
Actors:	Members	
Flow of events:	User Action	System Action
	1- Selecting his own trainer	
		2- Asking for a feedback for 1 to 5 and a comment
	3-Giving a feedback and a commt	
		4- Inserting his feedback into the database and then Re-Sorting the Trainers depending on their feedback

Use Case ID:	6	
Use Case Name:	Setting a public profile	
Actors:	Trainers	
Flow of events:	User Action	System Action
		1- Asking for his name and college degree
		2- Asking for a public picture and description about himself
	3-Submitting all this information	
		4- Adding the user to the database

Use Case ID:	7	
Use Case Name:	Taking attendance	
Actors:	Trainers	
Flow of events:	User Action	System Action
	1- Selecting attendance page	
		2- Searching into the database for the members menu
	3- Checking if members are already have a valid membership	
	4- Taking the attendance	
		5-Inserting it into the database