

Team#: 3

Team Project Title: GetGAINS

	First Name	Last Name	CSUSM account ID	Contribution Percentage
1	Noya	Hafiz	201170234	25%
2	Carlos	Avila	200257842	25%
3	Nicholas	Brodsky	200324415	25%
4	Cherishma	Jalaparti	200827710	25%

Grading Rubrics (for instructor only):

Criteria	1. Beginning	2. Developing	3. Proficient	4. Exemplary
	0-16	16-26	27-34	35-40
	many use	many use	A few use	Diagram is
Use Case Diagram	cases and	cases or	cases or	complete, all
	relations are	relations are	relations are	relations are
	not correct	not correct	not correct	correct
	0-5	6-9	10-14	15-20
Summary level use case	Missing	Information	Some minor	Information
description table	important	provided is	issues	provided is
description table	elements	insufficient		sufficient and
				appropriate
	0-16	16-26	27-34	35-40
Use case description	Missing	Information	Some minor	Information
tables for primary task	important	provided is	issues	provided is
use cases	elements	insufficient		sufficient and
				appropriate
Total Grade (100)				

Assignment:

Each team works together on use cases for **your course project**.

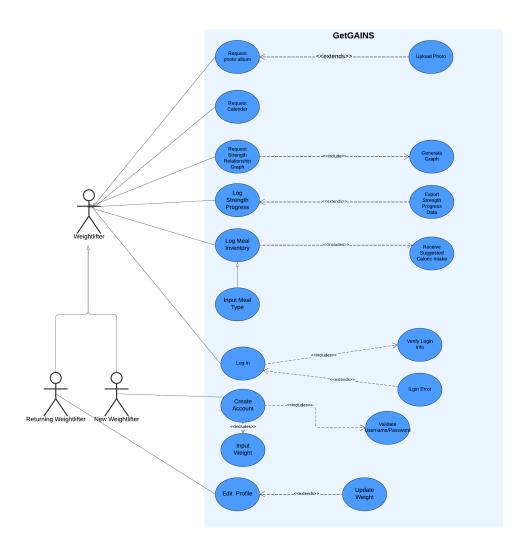


Your submission should include:

- A UML use case diagram
- The use case description table of at least one use case at the summary level
- The use case description tables of multiple use cases at the primary level: 3
- The use case description tables of use cases at the sub-function level, if applicable

You should start each use case description table in a new page

<u>UML</u>





Summary level

Use Case	Using GetGains	
Goal in Context	A fitness enthusiast inputting their relevant information and being able to track their progress on their weight goals.	
Scope	Get Gains	
Level	Summary	
Primary Actor	Fitness Enthusiast	
Precondition	Not Applicable	
Minimal Guarantee	display application	
Success Guarantee	Input user information and get a strength relationships graph	
Trigger	clicking the exe to open GetGains	
Success Scenario	 Fitness Enthusiast opens the GetGainz application Fitness Enthusiast 'logs in' Fitness Enthusiast 'edits profile' Fitness Enthusiast logs 'strength process' Fitness Enthusiast logs 'meal inventory' Fitness Enthusiast closes GetGains 	
Extensions	2a.Fitness Enthusiast 'creates account'	



Primary level

Use Case	Log in	
Goal in Context	Verify login information	
Scope	Security of user accounts and personal data during the login process.	
Level	Primary	
Primary Actor	Returning user	
Precondition	The user must have already signed up for an account.	
Minimal Guarantee	All user input must be securely stored, and the system will provide feedback if the login fails.	
Success Guarantee	The user is successfully logged into their account, granting access to the application.	
Trigger	"Login" button is pressed	
Success Scenario	 1. Users enter their 'Username'. 2. User enters their 'Password'. 3. System checks if the 'Username' is valid. 4. System checks if the 'Password' matches the valid 'Username'. 5. If both are valid, the user is logged into their account. 	
Extensions	 1a. Invalid Username: If the 'Username' is invalid, the system displays an error message and prompts the user to re-enter their username. 2a. Invalid Password: If the 'Password' is incorrect, the system displays an error message indicating the password is invalid and prompts the user to re-enter their password. 3a. Forgot Username: If the user selects the "Forgot Username" option, the system prompts for recovery options to retrieve their username. 4a. Forgot Password: If the user selects the "Forgot Password" option, the system prompts for recovery options to reset their password. 	



Use Case	Edit Profile
Goal in context	Allows users to change their profile data to keep their information current and relevant.
Scope	Database updates to reflect changes made to user profile information.
Level	Primary
Primary Actor	User (individual managing their account information)
Precondition	The user must be logged into their account to access profile editing features.
Minimal Guarantee	Any changes made will be saved in the database, and the user will be notified of successful updates.
Success Guarantee	The user's profile data is successfully updated in the database, and the system reflects these changes in the user interface.
Trigger	The user selects the "Edit Profile" option in their account settings.
Success Scenario	 User navigates to the "Edit Profile" section. User updates their profile information (e.g., name, email, fitness goals). User submits the changes by clicking the "Save" button. The system validates the input data. The system updates the user's profile in the database. The system displays a confirmation message indicating that the profile has been successfully updated. The user's updated information is displayed in their profile.
Extensions	 1a. Invalid Data: If the user enters invalid data (e.g., an invalid email format), the system prompts the user to correct the entries. 2a. Profile Picture Update: If the user chooses to update their profile picture, the system allows the user to upload a new image and checks for valid file types. 3a. Cancellation: If the user decides not to save changes, they can cancel the edit, and no changes will be made. 4a. Password Update: If the user opts to change their password, the system prompts for the current password and the new password, then validates the input before making changes.



Sub-function level

Use Case	Receive Suggested Caloric Intake
Goal in Context	Help users effectively track their caloric and macronutrient intake to enhance muscle mass and strength.
Scope	The application allows users to log food intake, monitor macronutrient distribution, and receive tailored recommendations for caloric needs based on their goals.
Level	Subfunction User goal level
Primary Actor	User (Individual seeking to increase strength)
Precondition	The user must have a registered account and be logged in to the system.
Minimal Guarantee	The system will accept data input and provide a notification of successful data entry, even if no recommendations are generated.
Success Guarantee	The user's caloric intake and macronutrient data are successfully updated, and personalized recommendations are provided along with a visual progress graph.
Trigger	The user chooses to log their daily food intake.
Success Scenario	 User logs into their account. User inputs daily food consumption details (calories, proteins, carbs, fats). The system calculates total caloric intake and macronutrient distribution. The system updates the user's profile with the new data. The system generates a graph displaying the user's intake and progress over time. The system provides personalized recommendations based on the user's goals.
Extensions	 1a. If the user inputs invalid data (e.g., negative values), the system prompts the user to correct the entries before submission. 2a. If the user requests more information, the system provides links to credible articles, nutritional guidelines, or tips for meal planning. 3a. If the user wants to view historical data, the system allows the user to access past intake logs and analyze trends over time.