

ABR
SOLUTIONS



CRICPRO

by: M. Raza
M. Abdurrahman Khan
M. Bilal





SCOPE

- Automate and integrate cricket management operations, including player, staff, club, and stadium management.
- Enable match scheduling, practice session organization, and equipment procurement in one system.
- Replace manual systems with a centralized platform.



OBJECTIVE

- Centralized System for player management etc.
- Simplify match scheduling and practice session booking processes.
- Provide tools for real-time player statistics and performance analysis.
- It will help in increasing team collaboration.



Use cases:

Player:

- Create diet plan
- Create fitness plan
- Book solo training session
- View profile

Staff:

- Book training session
- Conduct player training
- Suggest diet plan
- Review Diet plan
- Suggest Fitness plan
- Review fitness plan

Club admin:

- manage players
- manage staff
- schedule match
- manage match requests

Stadium Admin:

- Conduct match
- Solo training requests
- Team practice requests

Extended Use case :

Ex: Buy Cricket Equipment:

a. Use Case Name:

Buy Cricket Equipment

b. Scope:

Cricket Management System (CRICPRO)

c. Level:

User Goal

d. Primary Actor:

Player

e. Stakeholders and Interests:

- Player: Wants to buy cricket equipment and view product reviews to make informed decisions.
- System Administrator: Wants to ensure the equipment catalog is up-to-date and purchases are processed smoothly.
- Seller/Vendor: Wants to sell cricket equipment to players.

f. Preconditions:

- The player must be logged in to the system.
- Equipment catalog must be available and have stock for purchase.
- The payment system must be operational.

g. Postconditions:

- The equipment is added to the player's order history.
- The stock quantity for the purchased equipment is updated.
- The payment is processed successfully.
- The player can review the equipment after purchase.

i. Main Success Scenario (Two-column format):

User Action	System Response
Player navigates to the cricket equipment section.	System displays the available equipment details.
Player selects a piece of equipment to view.	System shows detailed information, including reviews.
Player chooses to buy the equipment.	System requests payment information.
Player provides payment details and confirms.	System processes the payment.
	System confirms the purchase and updates the stock.
Player exits the system.	

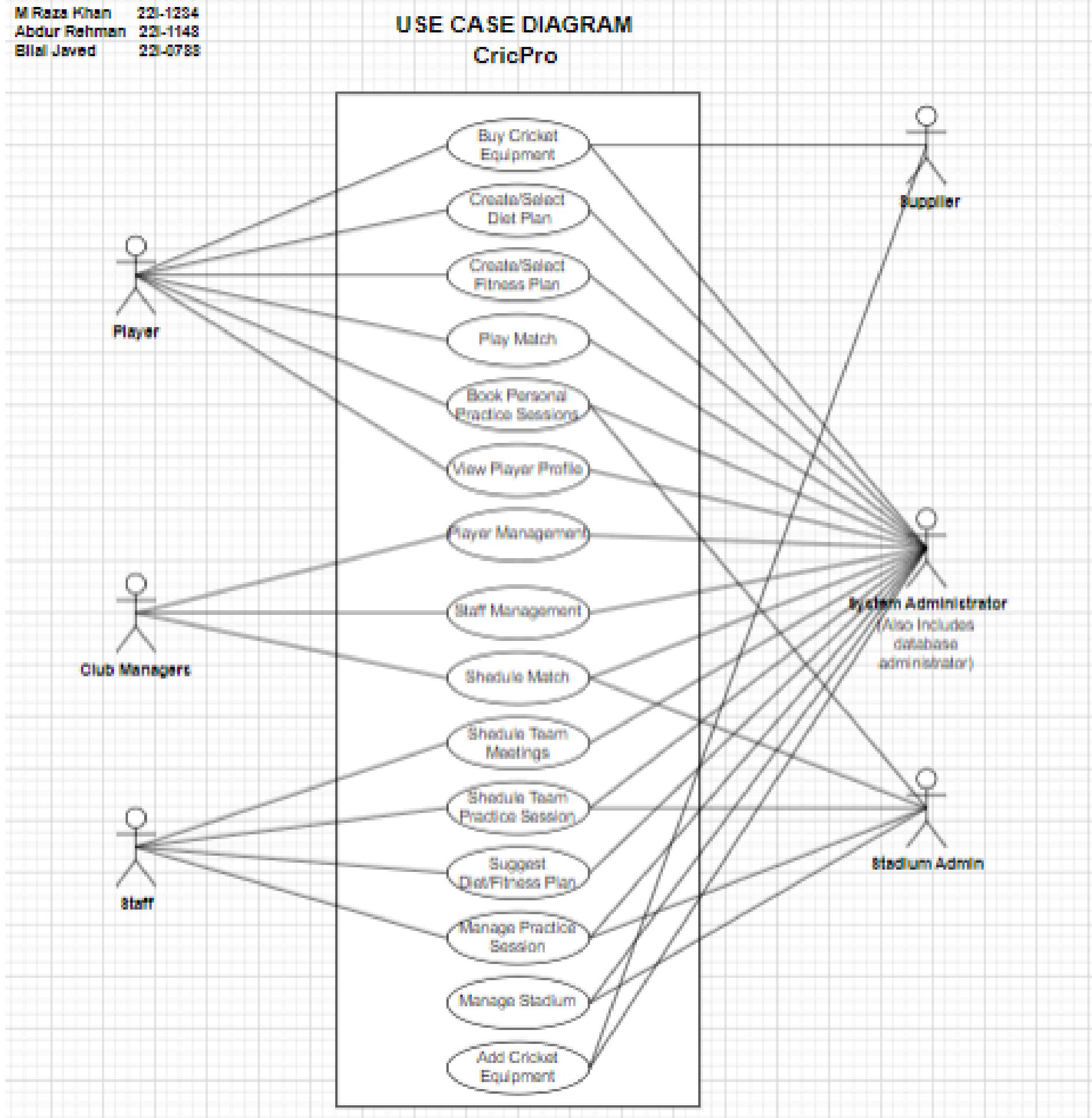
j. Extensions:

Step 2: If no equipment is available, the system notifies the player that the catalog is empty.

Step 5: If the selected equipment is out of stock, the system notifies the player and does not proceed with the purchase.

Step 8: If the payment fails, the system notifies the player and prompts them to retry or use another payment method.

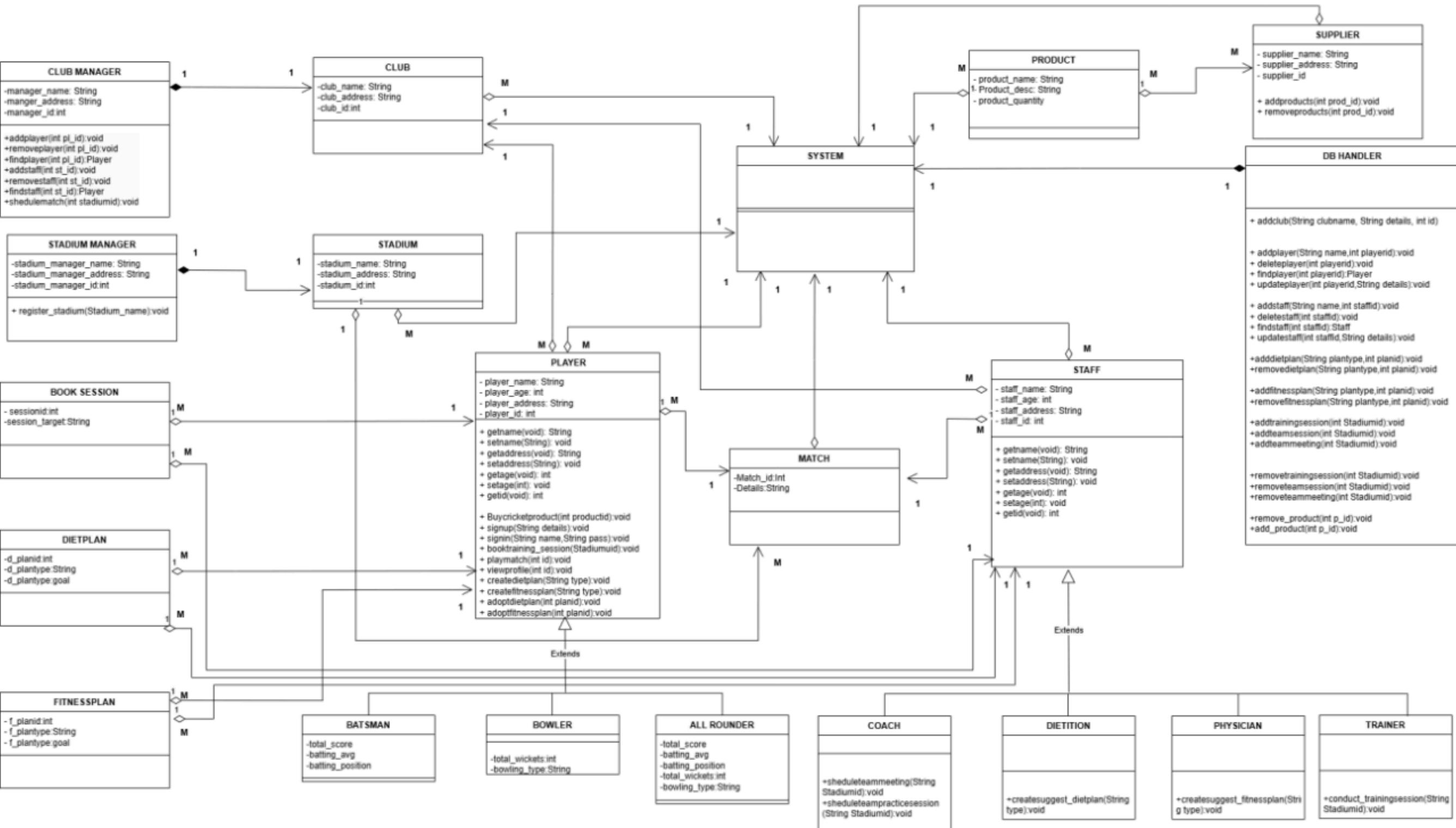
Use case diagram:



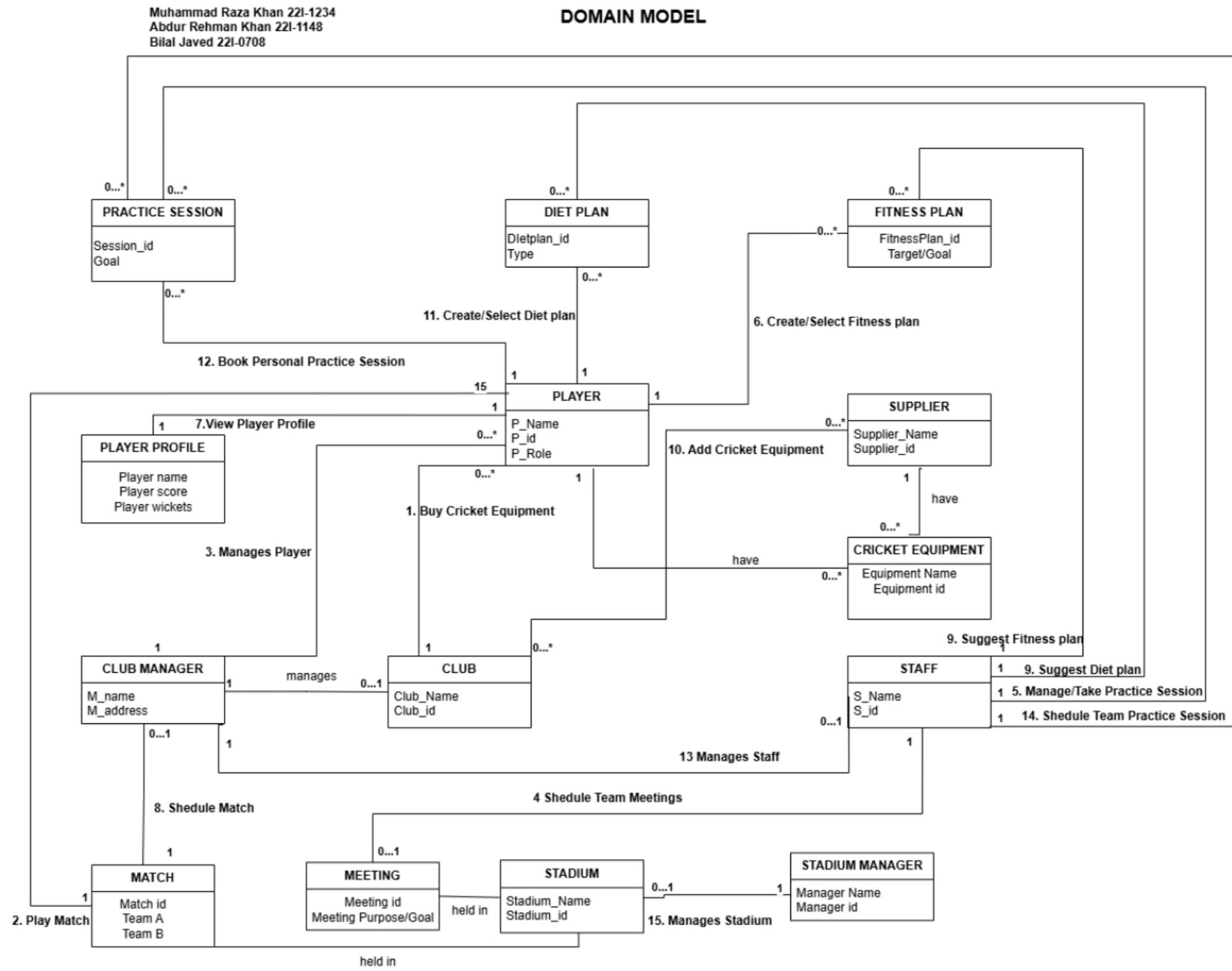
Class Diagram

Muhammad Raza Khan 22I-1234
Abdur Rehman Khan 22I-1148
Bilal Javed 22I-0708

CLASS DIAGRAM



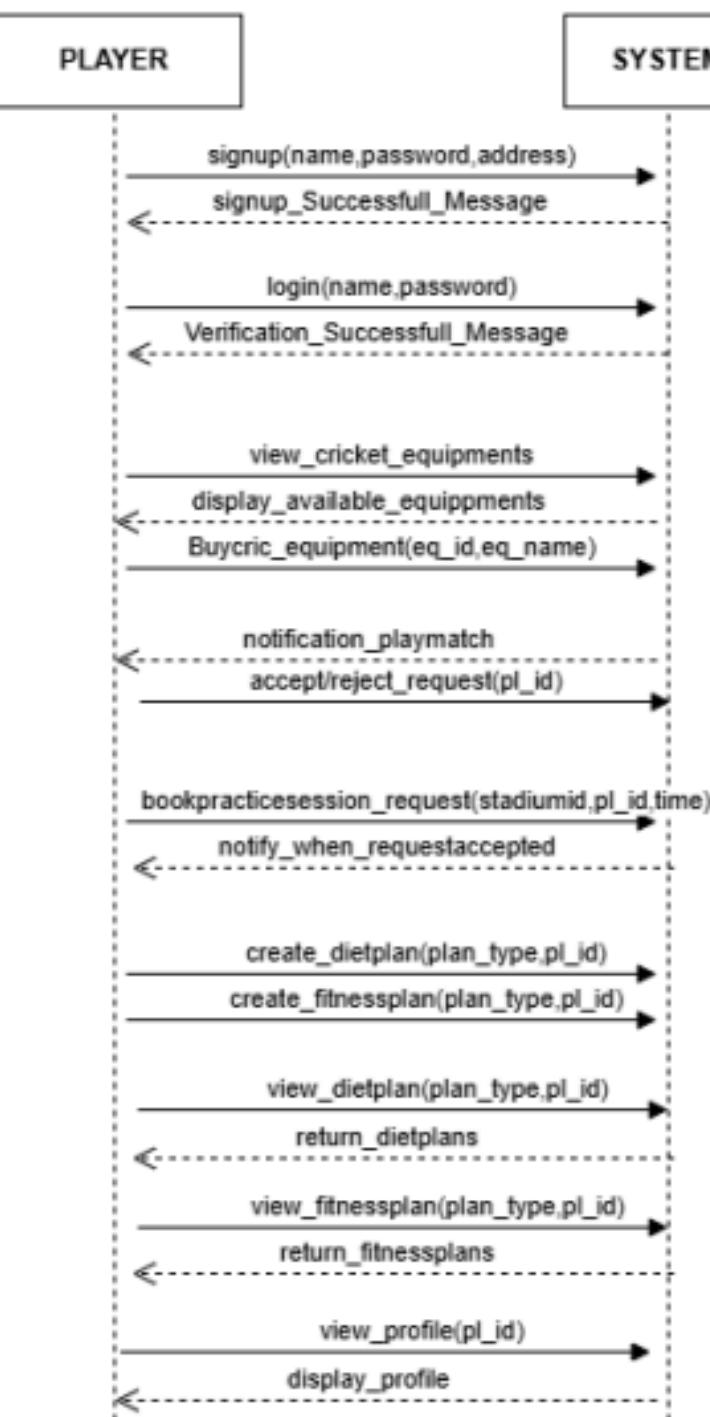
Domain Model



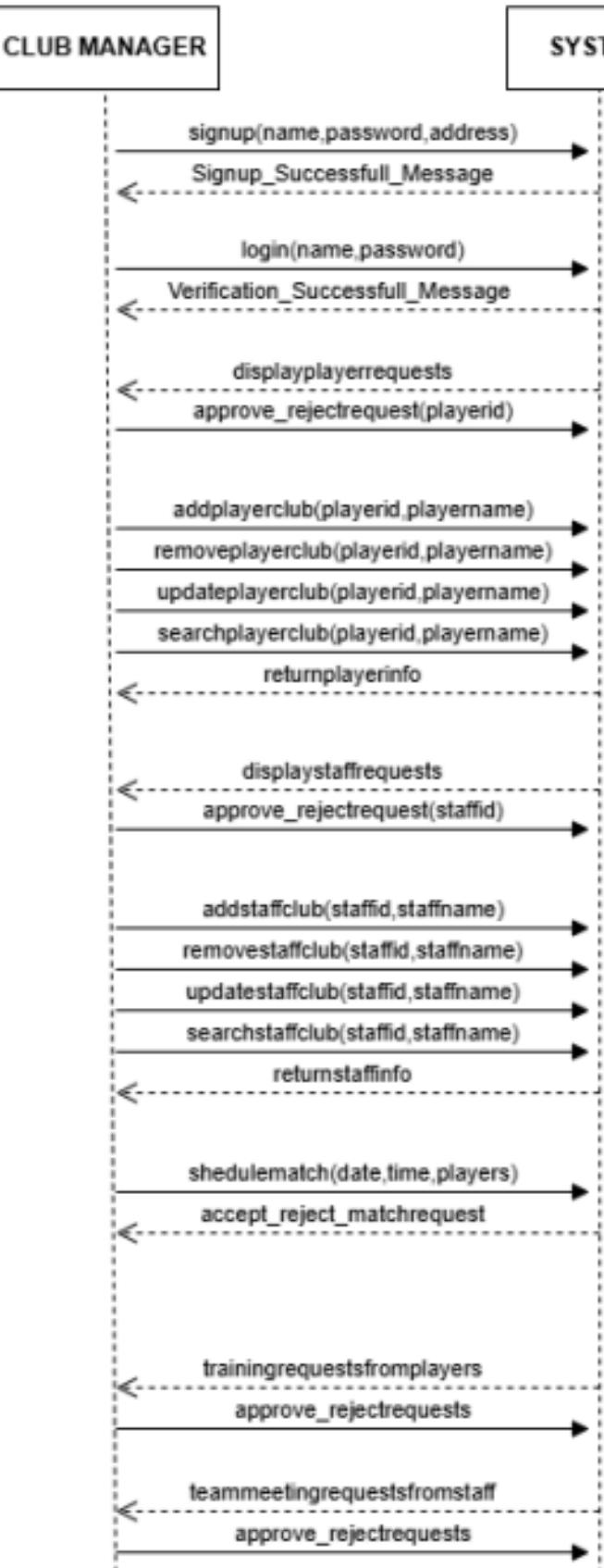
System Sequence Diagram

Muhammad Raza Khan 22I-1234
Abdur Rehman Khan 22I-1148
Bilal Javed 22I-0708

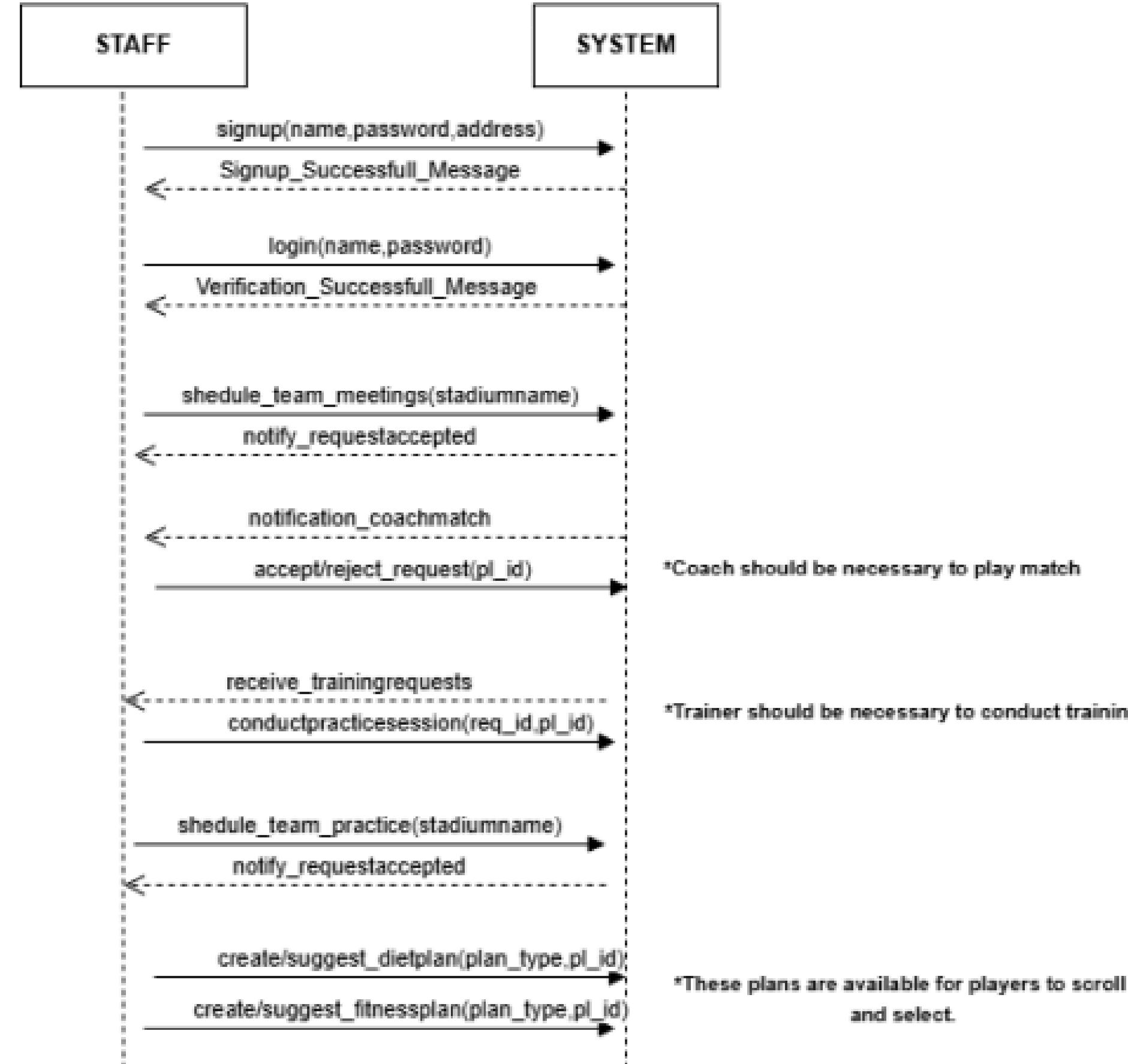
SYSTEM SEQUENCE DIAGRAM



System Sequence Diagram

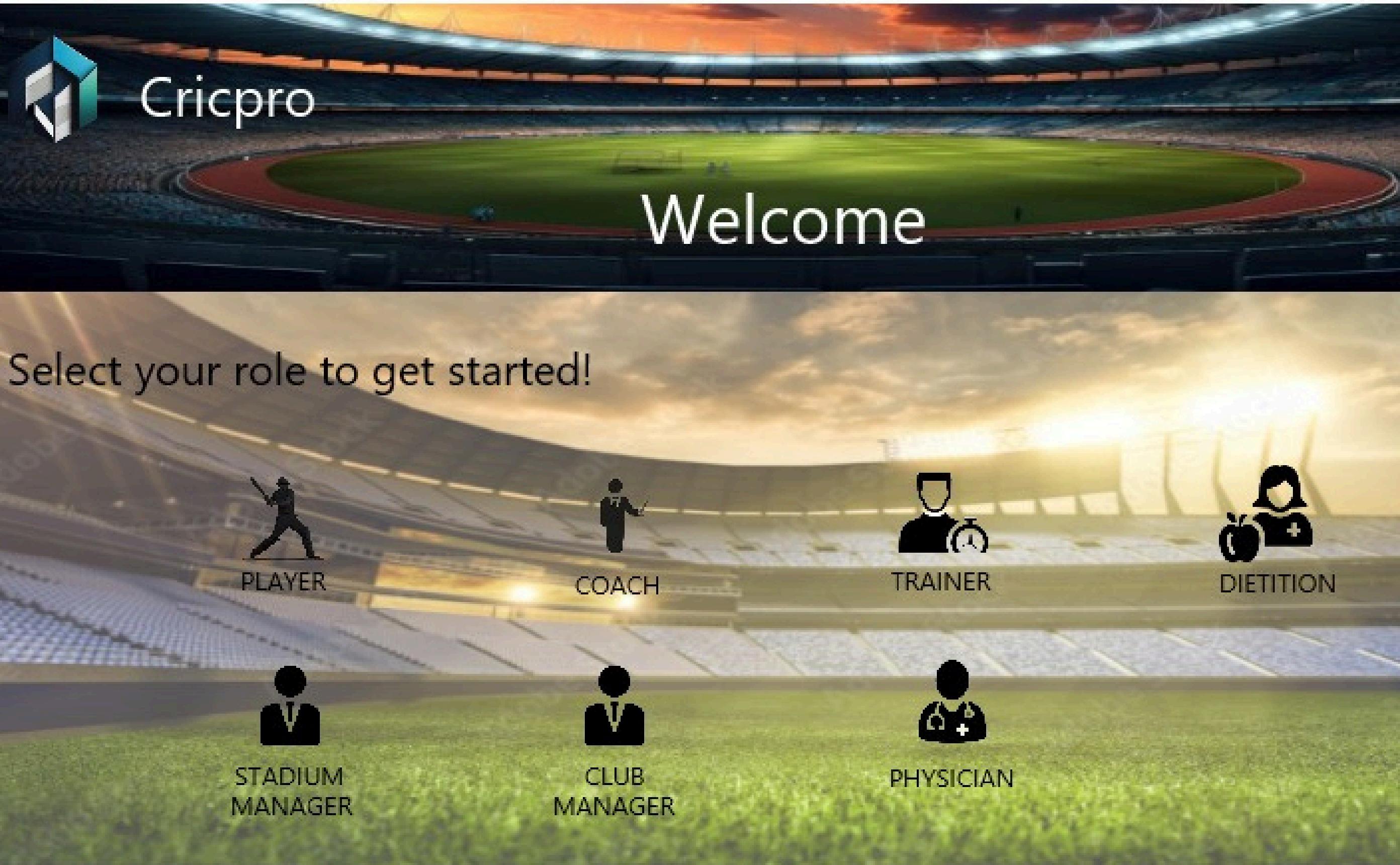


System Sequence Diagram





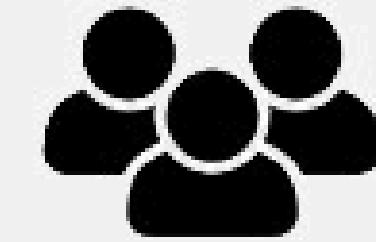
INTERFACES.



Contact us



Cricpro



Player Login



Ahmad



Login

Don't have an account? [Sign up](#)



Sign Up



Home



Coach



Trainer



Dietitian



Physician



Back



Address



Age



Experience



Phone Number



User Name



Password

Speciality



Batting



Bowling



Fielding

Sign Up



TRAINER



Circpro



Create Dietplan

Plan Name _____



Goal Weight loss

Meals _____

Calories

10

Carbs

10

Protein

10

Fat

10

Fiber

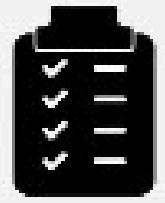
10

Notes

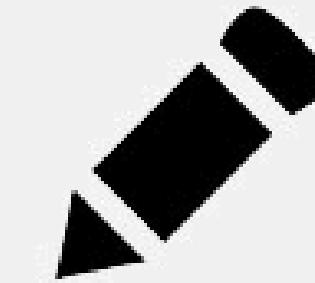
Add



Fuel Your Game, Choose Your Plan!



My Plans



Create Custom Plan



Select From Available Plans

Motivational Highlight

Trainer Dashboard

Home

Join Club

Conduct Training

Back

Conduct Training

Player Name	Player Role	Stadium Name	Date	
raza	All Rounder	stadium1	2024-10-29	<button>Accept</button>
raza	All Rounder	stadium1	2024-10-10	<button>Accept</button>
raza	All Rounder	stadium1	2024-10-03	<button>Accept</button>