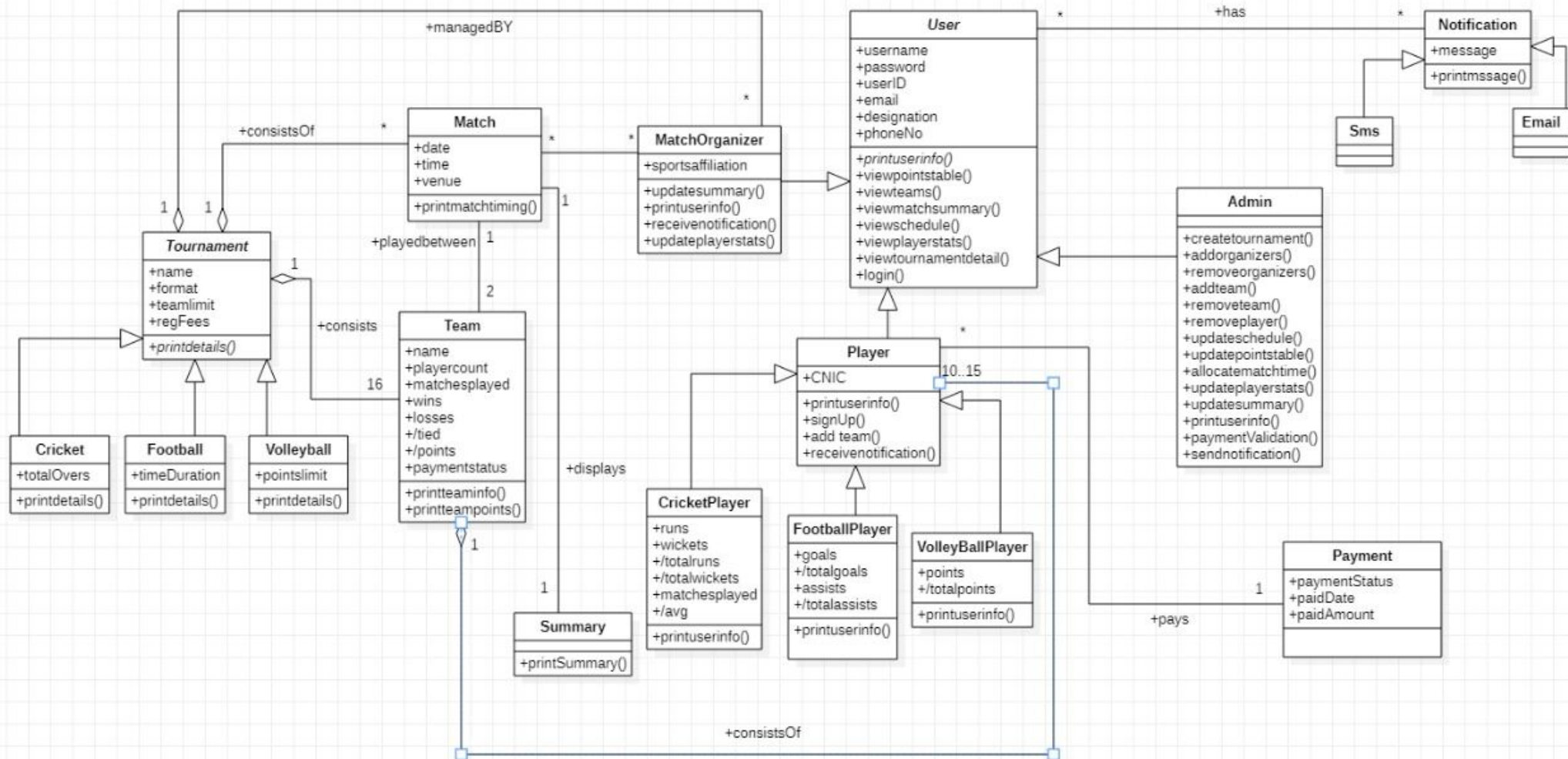
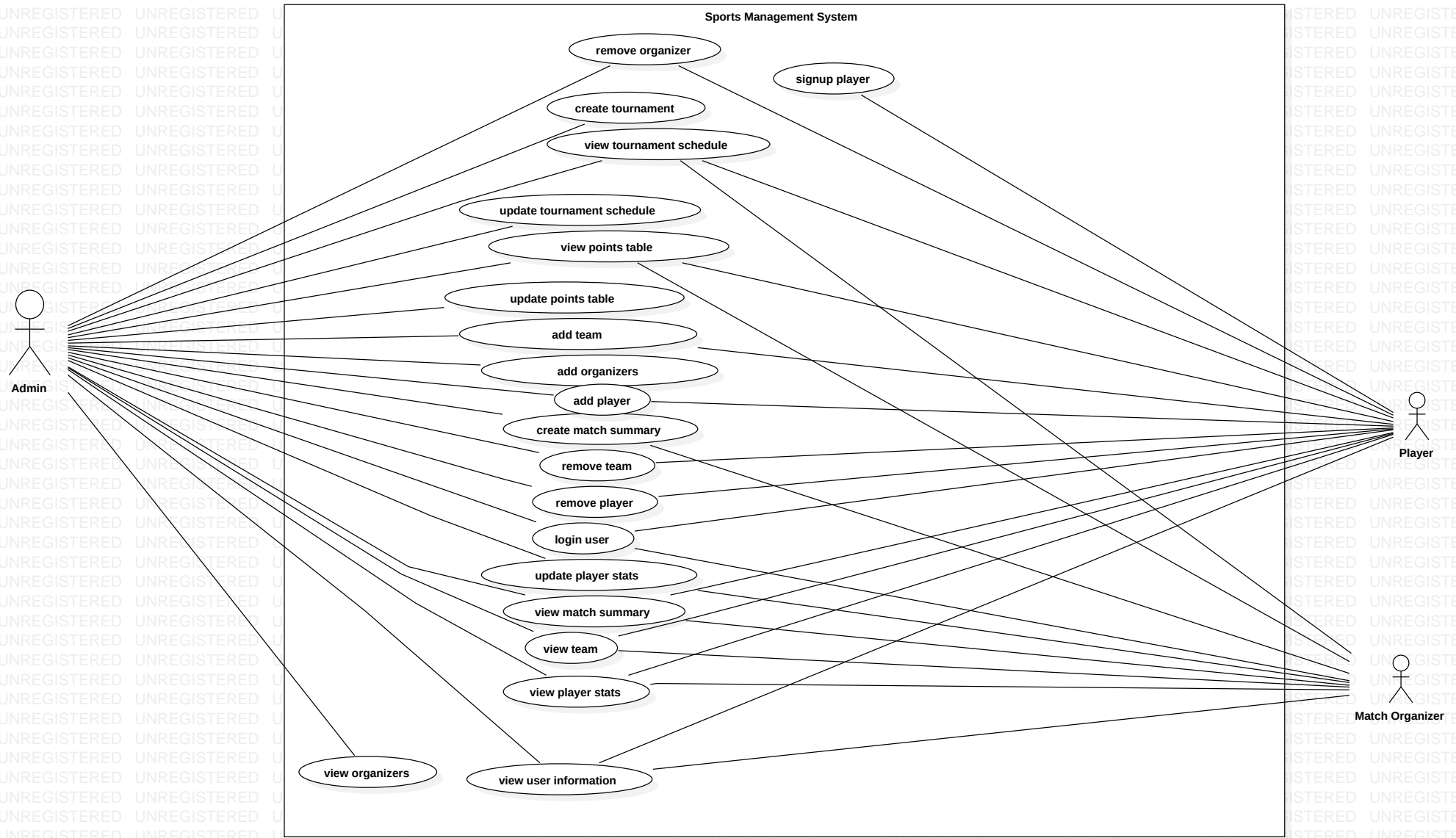


# Analysis Class Diagram



# Use Case Diagram



Identifier	UC-1	
Name	create tournament	
Summary	admin will create tournament of a specific sport after entering required data	
Priority	Medium	
Actors	Admin	
Pre-condition(s)	Admin is logged in the system	
Post-condition(s)	Tournament is added in the tournament list	
Typical Course of Action		
S#	Actor Action	System Response
1	Press create tournament button	
2		Prompts to enter required data
3	Enter tournament information	
4		Verify information
5		Create tournament instance
Alternate Course of Action(invalid information)		
S#	Actor Action	System Response
5		Display invalid information error
Go back to step 3		

Identifier	UC-2	
Name	view tournament schedule	
Summary	view match schedules of a tournament	
Priority	High	
Actors	Admin, Player, Match Organizer	
Pre-condition(s)	A tournament exists in the system	
Post-condition(s)	User is on the tournament schedule page	
Typical Course of Action		
S#	Actor Action	System Response
1	Press particular tournament button to view its schedule	
2		Display match schedule
Alternate Course of Action		
S#	Actor Action	System Response

Identifier	UC-3	
Name	view point table	
Summary	Display the points of all participating teams	
Priority	High	
Actors	Admin, Player, Match Organizer	
Pre-condition(s)	Teams data exists in a particular tournament	
Post-condition(s)	User is on the point table page	
Typical Course of Action		
S#	Actor Action	System Response
1	Press view point table button to spectate point table	
2		Display point table
Alternate Course of Action		
S#	Actor Action	System Response

<b>Identifier</b>	UC-4	
<b>Name</b>	view match summary	
<b>Summary</b>	Displays the summary of a match	
<b>Priority</b>	High	
<b>Actors</b>	Admin, Player, Match Organizer	
<b>Pre-condition(s)</b>	Particular Match has been played	
<b>Post-condition(s)</b>	User is on the match summary page	
<b>Typical Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
1	Press particular match button to view match summary	
2		Display match summary
<b>Alternate Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>

<b>Identifier</b>		UC-5
<b>Name</b>		view organizers
<b>Summary</b>		Displays the list of all organizers
<b>Priority</b>		low
<b>Actors</b>		Admin
<b>Pre-condition(s)</b>		Admin is logged in the system organizers information exists in the system
<b>Post-condition(s)</b>		The admin is on the organizers information page
<b>Typical Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
1	Press view organizers button in the admin page	
2		Display list of all organizers
<b>Alternate Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>

<b>Identifier</b>	UC-6	
<b>Name</b>	view User information	
<b>Summary</b>	Displays the information of a particular user	
<b>Priority</b>	low	
<b>Actors</b>	Admin, Player, Match Organizer	
<b>Pre-condition(s)</b>	The user is logged in the system( as a player/admin/organizer)	
<b>Post-condition(s)</b>	The user is on the user information page	
<b>Typical Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
1	Press player button to view information of a user	
2		Display user information
<b>Alternate Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>



Identifier	UC-7	
Name	add Official	
Summary	Assigns an official to a match	
Priority	medium	
Actors	Admin	
Pre-condition(s)	The admin is logged in the system	
Post-condition(s)	Official is added in the official’s list of a tournament Admin is on the organizers data page	
Typical Course of Action		
S#	Actor Action	System Response
1	Press match to assign official to	
2	Press organizer to assign as official	
3		Verify information added
4		Add official to a match
Alternate Course of Action()		
S#	Actor Action	System Response
4		Display error message "Organizer already assigned"
Go back to step 2		

Identifier	UC-8	
Name	log in	
Summary	Logs in a player/match organizer/admin	
Priority	High	
Actors	Admin, Player, Match Organizer	
Pre-condition(s)	User is not logged in the system	
Post-condition(s)	User is logged in the system User is on the home page	
Typical Course of Action		
S#	Actor Action	System Response
1	Enter log in button	
2		Display log in page
3		Prompt for username, password
4	Enter username	
5	Enter password	
6		Verify information
7		Logs in
Alternate Course of Action		
S#	Actor Action	System Response
7		Displays error message "Invalid username"
Go back to step 2		
Alternate Course of Action		
S#	Actor Action	System Response
7		Displays error message "Incorrect password"
Go back to step 2		

Identifier	UC-9	
Name	update tournament schedule	
Summary	Updates the schedule of the tournament	
Priority	Medium	
Actors	Admin	
Pre-condition(s)	Admin is logged in the system	
Post-condition(s)	Tournament schedule data is updated	
Typical Course of Action		
S#	Actor Action	System Response
1	Press update schedule button	
2		Prompts for specific match
3	Enter particular match button	
4		Prompts for time/date
5	Enter time/date/	
6		verify updated information
7		Update schedule
Alternate Course of Action(Invalid time/date)		
S#	Actor Action	System Response
7		Display error message "Invalid time or date entered"
Go back to step 5		

Identifier		UC-10
Name		update point table
Summary		Updates the points table of a specific tournament
Priority		High
Actors		Admin
Pre-condition(s)		Admin is logged in the system
Post-condition(s)		Points data is updated in the point table
Typical Course of Action		
S#	Actor Action	System Response
1	Select team to update points of	
2		Verify information
3		Calculate updated points
4		Update point table
Alternate Course of Action		
S#	Actor Action	System Response
3		Display error message "Team hasn't played yet"
Go Back to step 1		

Identifier	UC-11	
Name	create match summary	
Summary	It will create the summary of a match	
Priority	High	
Actors	Admin, Match Organizer	
Pre-condition(s)	Admin or match organizer is logged in the system	
Post-condition(s)	Match summary is created and match data is updated	
Typical Course of Action		
S#	Actor Action	System Response
1	Press specific match button to create a match summary	
2		Display scorecard to update
3		Prompt for update data(score/wickets)
4	Enter data	
5		Verify data
6		Update data
7		Create summary
Alternate Course of Action(match yet to happen)		
S#	Actor Action	System Response
2		Display error message "match hasn't happened yet"
Go back to step 1		
Alternate Course of Action(wrong data entered)		
S#	Actor Action	System Response
6		Display error message "wrong data entered"
Go back to step 4		

Identifier		UC-12
Name		update player stats
Summary		Updates the stats of a player for a tournament
Priority		high
Actors		Admin, Match Organizer
Pre-condition(s)		Admin/match organizer is logged in the system
Post-condition(s)		Stats of a player are updated
Typical Course of Action		
S#	Actor Action	System Response
1	Select player from players list	
2		Display player stats
3		Prompt user to add updated stats
4	Enter player stats	
5		Verify updated stats
6		Update stats
Alternate Course of Action(wrong data entered)		
S#	Actor Action	System Response
6		Display error message "invalid data entered"
Go back to step 4		

Identifier	UC-13	
Name	view player stats	
Summary	View a players stats in a tournament	
Priority	High	
Actors	Admin, Player, Match Organizer	
Pre-condition(s)	Player should exist in a tournament	
Post-condition(s)	User is on the player stats page	
Typical Course of Action		
S#	Actor Action	System Response
1	Select player from player list	
2		Display player stats
Alternate Course of Action		
S#	Actor Action	System Response

Identifier	UC-14	
Name	sign up	
Summary	Sign up a player willing to register a team	
Priority	Medium	
Actors	Player	
Pre-condition(s)	User is not logged in already	
Post-condition(s)	Player data is added to registered players list in the system	
Typical Course of Action		
S#	Actor Action	System Response
1	Enter sign up option	
2		Prompt username, password and other mandatory details
3	Enter username	
4	Enter password	
5	Enter mandatory details	
6		Verify information
7		Sign up the player
Alternate Course of Action(Invalid username)		
S#	Actor Action	System Response
7		Display error message "invalid username"
Go back to step 3		
Alternate Course of Action(Invalid password)		
S#	Actor Action	System Response
7		Display error message "invalid password"
Go back to step 4		
Alternate Course of Action(Invalid details)		



S#	Actor Action	System Response
7		Display error message "invalid details entered"
Go back to step 5		

<b>Identifier</b>		UC-15
<b>Name</b>		remove player
<b>Summary</b>		Removes a player from a team
<b>Priority</b>		low
<b>Actors</b>		Admin, Player
<b>Pre-condition(s)</b>		The user(admin/player) is logged in the system
<b>Post-condition(s)</b>		The particular player is removed and no longer in the system
<b>Typical Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
1	Press the remove player button to remove a player	
2		Shows list of players
3		Prompt for player to remove
4	Enter player	
5		Removes player
<b>Alternate Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>

Identifier	UC-16	
Name	remove team	
Summary	Removes a team from a particular tournament	
Priority	low	
Actors	Admin	
Pre-condition(s)	Admin is logged in the system	
Post-condition(s)	The particular team is removed and no longer in the tournament	
Typical Course of Action		
S#	Actor Action	System Response
1	Press the remove team button to remove a particular team	
2		Removes the team
Alternate Course of Action		
S#	Actor Action	System Response

Identifier	UC-17	
Name	remove organizer	
Summary	Removes an organizer from a tournament	
Priority	low	
Actors	Admin	
Pre-condition(s)	The admin is logged in the system	
Post-condition(s)	The organizer is no longer in the tournament organizer list	
Typical Course of Action		
S#	Actor Action	System Response
1	Press the remove organizer button to remove an organizer	
2		Shows list of organizers
3		Prompt for organizer to remove
4	Enter organizer	
5		Removes organizer
Alternate Course of Action		
S#	Actor Action	System Response

Identifier	UC-18	
Name	add player	
Summary	Adds a player to a team	
Priority	High	
Actors	Admin, Player(captain)	
Pre-condition(s)	Player/admin is logged in the system	
Post-condition(s)	Player is added to the particular team	
Typical Course of Action		
S#	Actor Action	System Response
1	Enter add player option	
2		Displays page
3		Prompt user to add player information
4	Enter player name	
5	Enter player CNIC	
6	Enter player email	
7	Enter player phone No	
8	Enter player designation	
9	Press add player button	
10		Check validation
11		Add player to the team
Alternate Course of Action(inappropriate CNIC)		
S#	Actor Action	System Response
11		Display message "inappropriate CNIC format"
Go back to step 5		
Alternate Course of Action(invalid email)		
S#	Actor Action	System Response
11		Display message "invalid email address"
Go back to step 6		

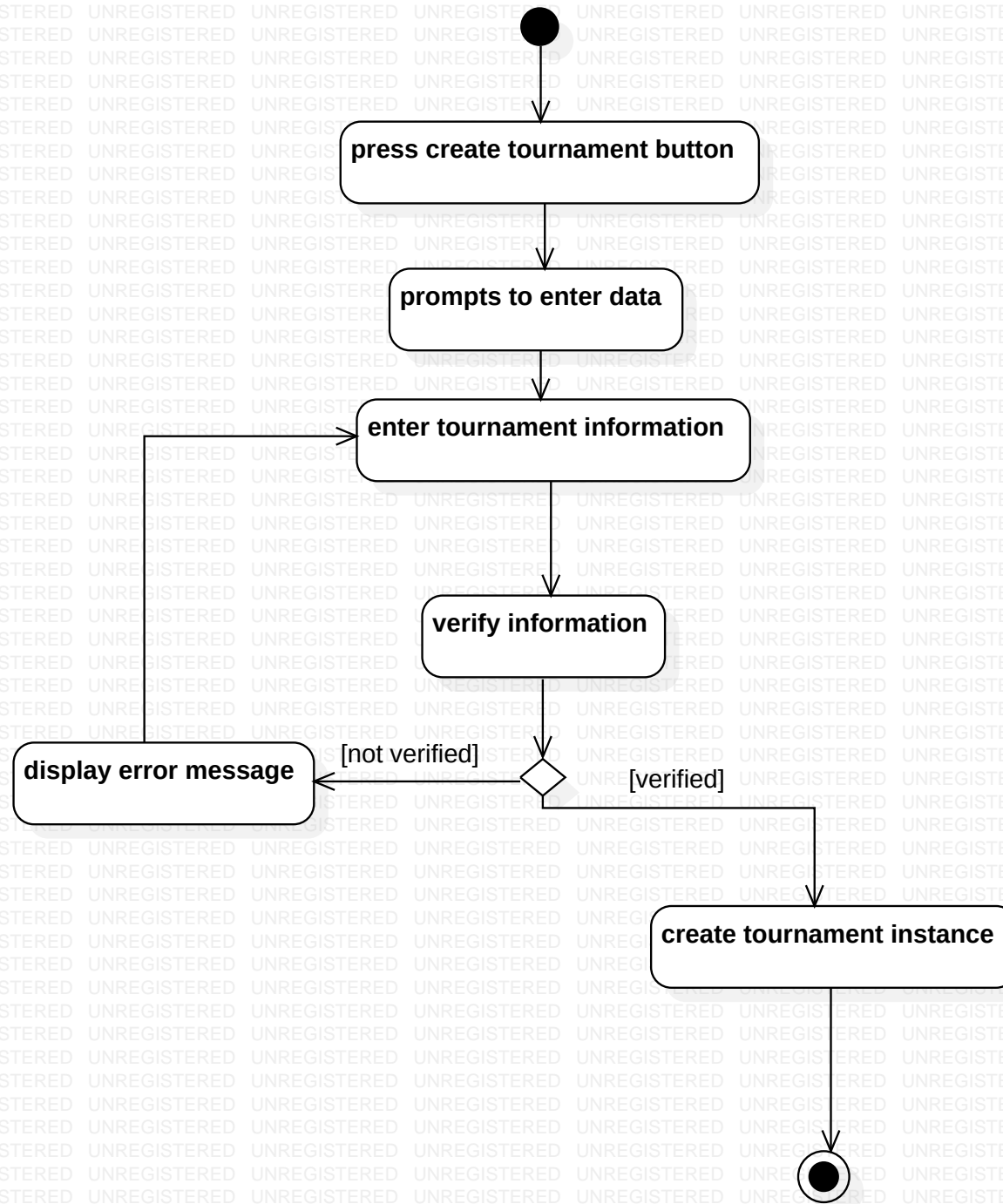
<b>Alternate Course of Action(Invalid phone No)</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
11		Display message "Invalid Phone No"
Go back to step 7		
<b>Alternate Course of Action(team already full)</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
11		display message "team players limit reached"

<b>Identifier</b>		UC-19
<b>Name</b>		add team
<b>Summary</b>		Adds a team to a tournament
<b>Priority</b>		High
<b>Actors</b>		Admin, Player(captain)
<b>Pre-condition(s)</b>		Admin/player is logged in the system
<b>Post-condition(s)</b>		The team is added in the tournament team list
<b>Typical Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
1		Prompt user to add team information
2	Enter name	
3	Enter team player count	
4	Press add team	
5		validation
6		Add team to the tournament
<b>Alternate Course of Action(duplicate name)</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>
6		Display message "team name already exists"
	Go back to step 2	
<b>Alternate Course of Action</b>		
<b>S#</b>	<b>Actor Action</b>	<b>System Response</b>

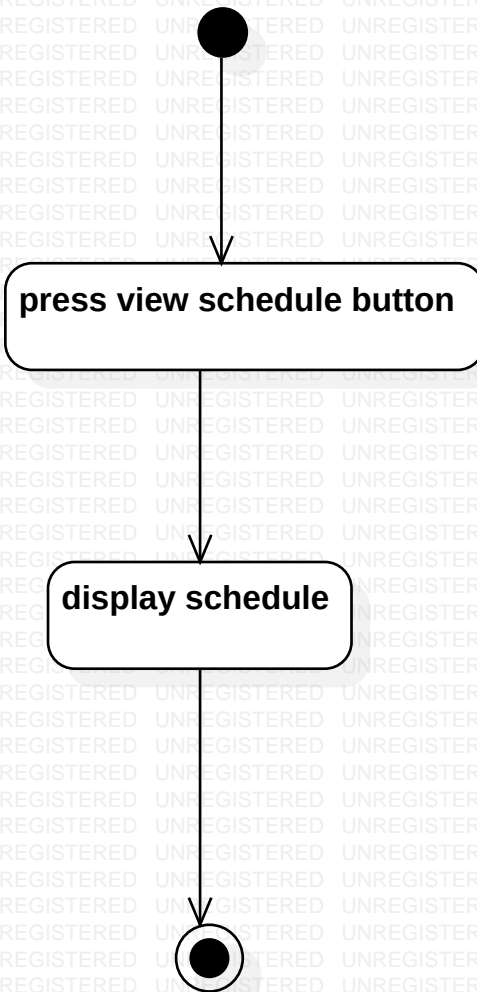
Identifier	UC-20	
Name	view team	
Summary	Views the teams participating in the tournament	
Priority	High	
Actors	Admin, Player(captain) ,Match Organizer	
Pre-condition(s)	User is logged in the system	
Post-condition(s)	User is on the view team page	
Typical Course of Action		
S#	Actor Action	System Response
1	Enter the view teams option	
2		Display list of teams
Alternate Course of Action		
S#	Actor Action	System Response
Alternate Course of Action		
S#	Actor Action	System Response



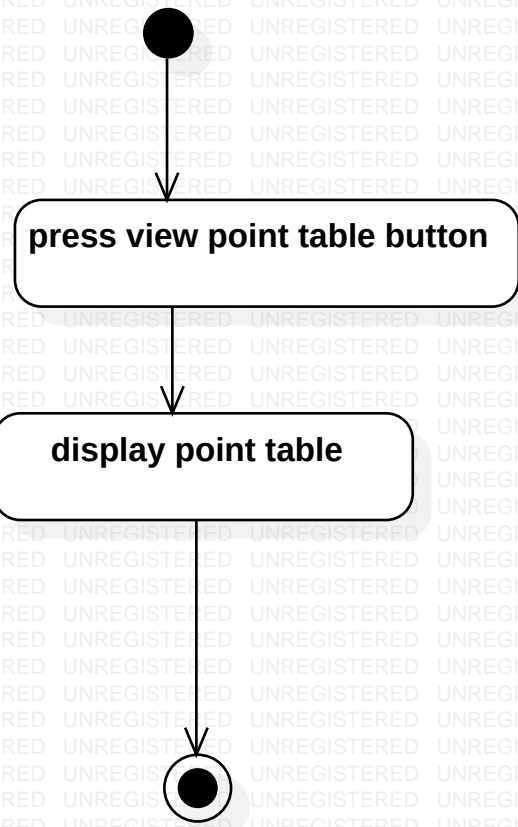
# Activity Diagram UC #1



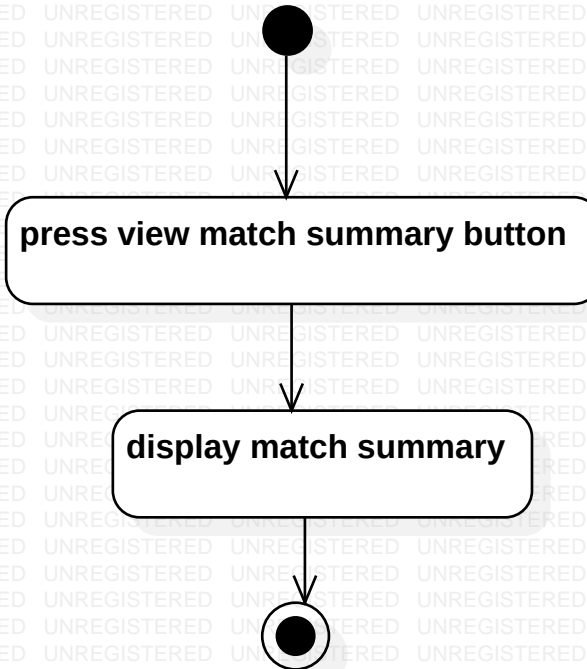
## Activity Diagram UC #2



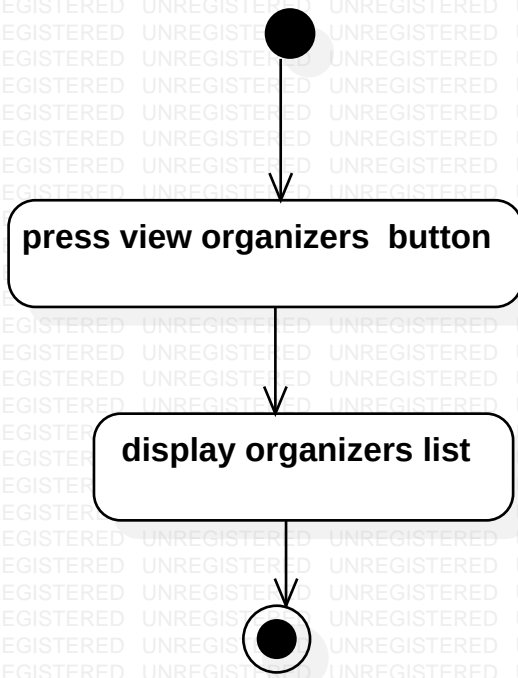
# Activity Diagram UC #3



# Activity Diagram UC #4



# Activity Diagram UC #5

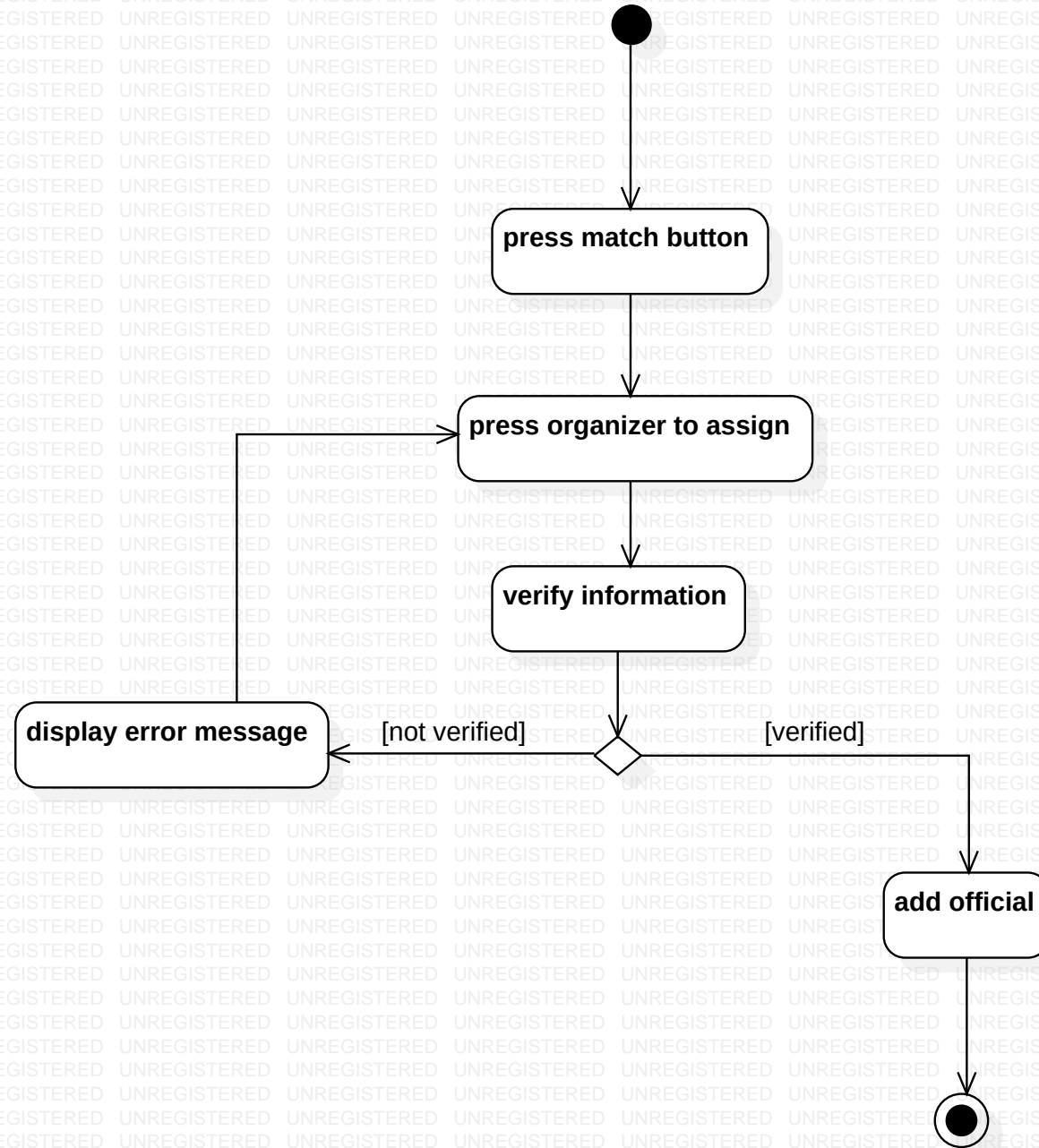


# Activity Diagram UC #6

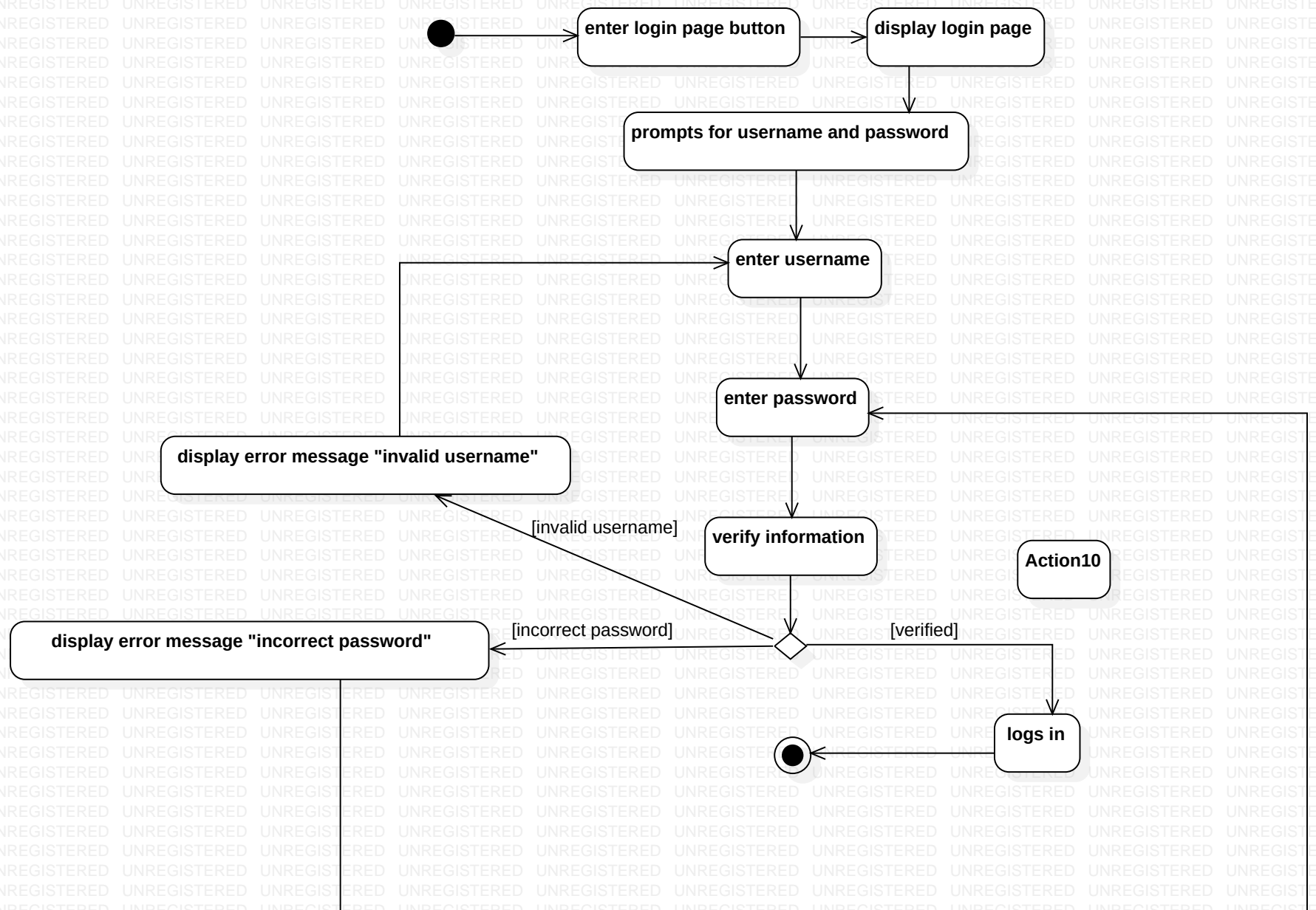
press view user button

display user information

# Activity Diagram UC #7

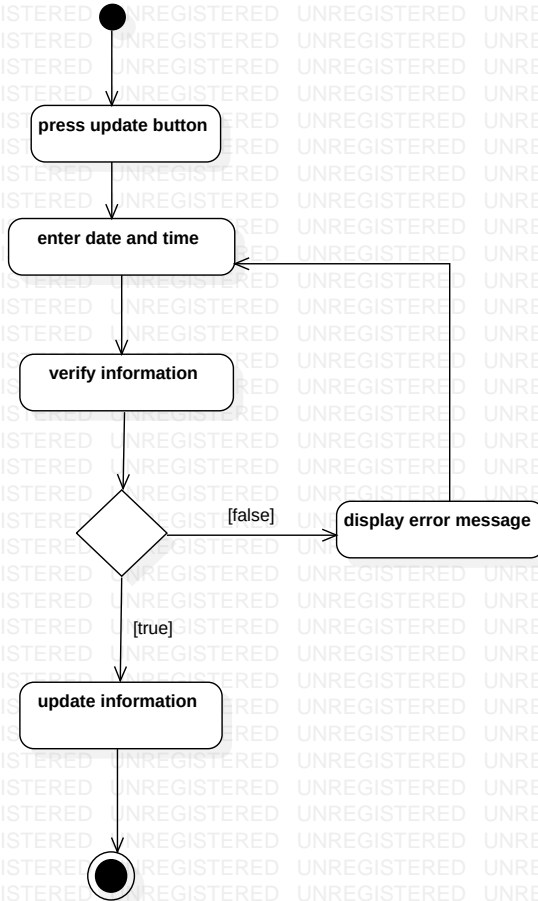


# Activity Diagram UC #8

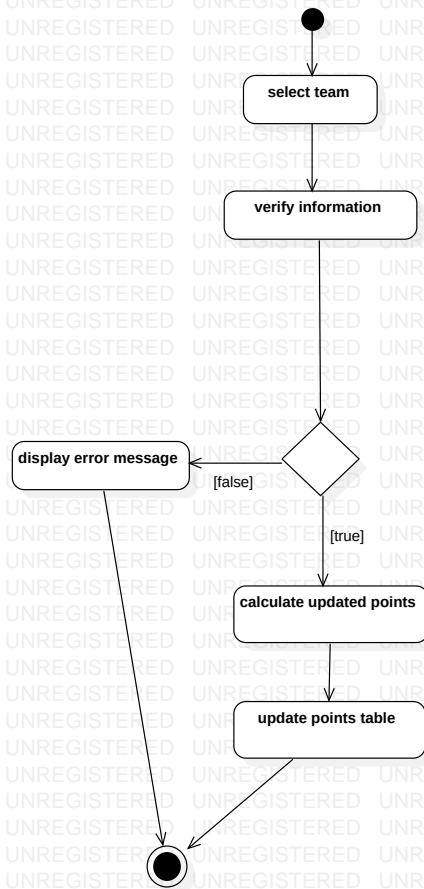




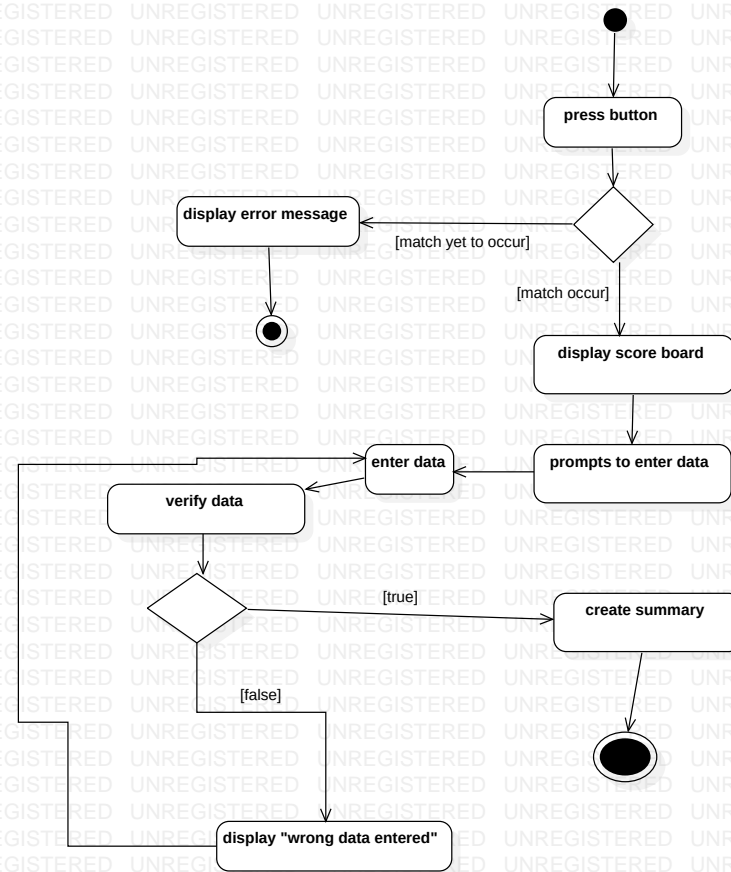
# Activity Diagram UC #9



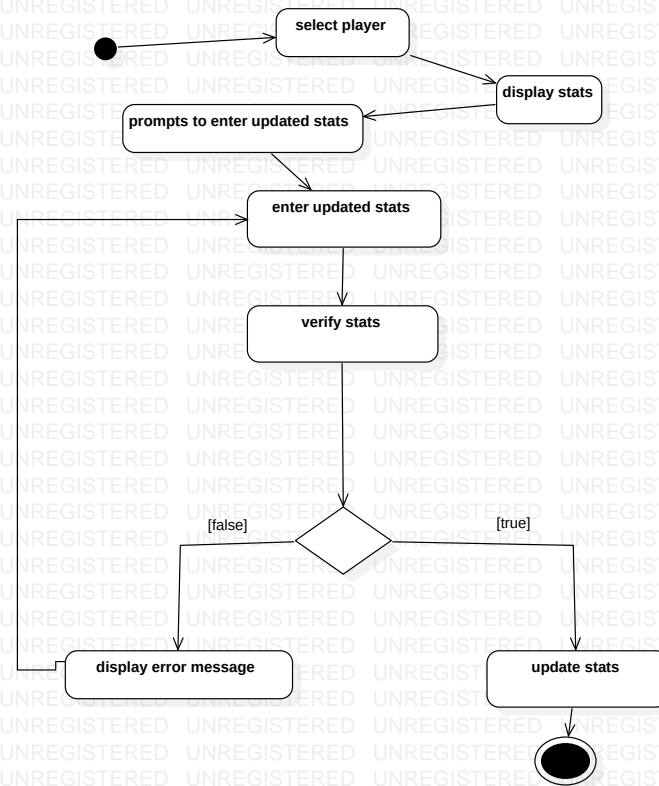
# Activity Diagram UC #10



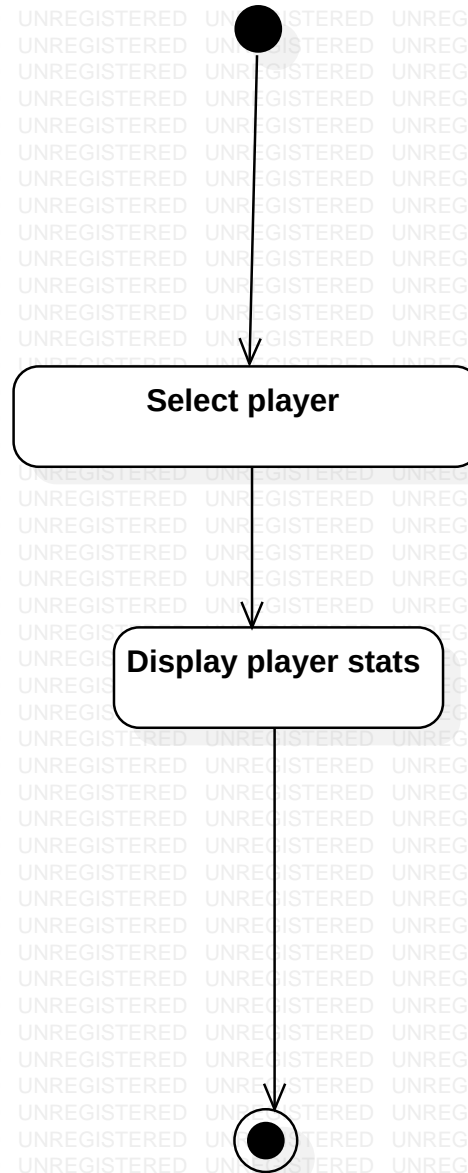
# Activity Diagram UC #11



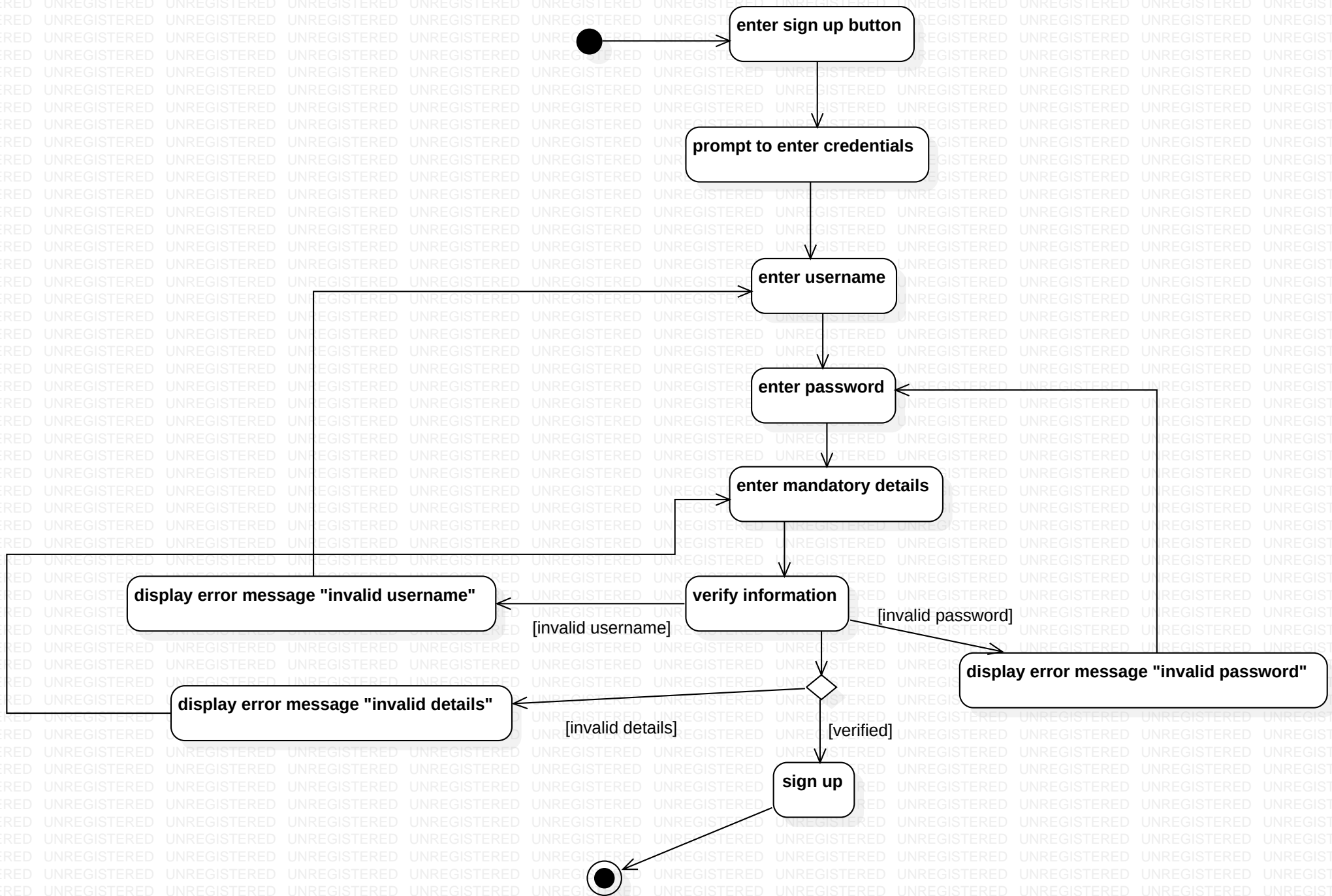
# Activity Diagram UC #12



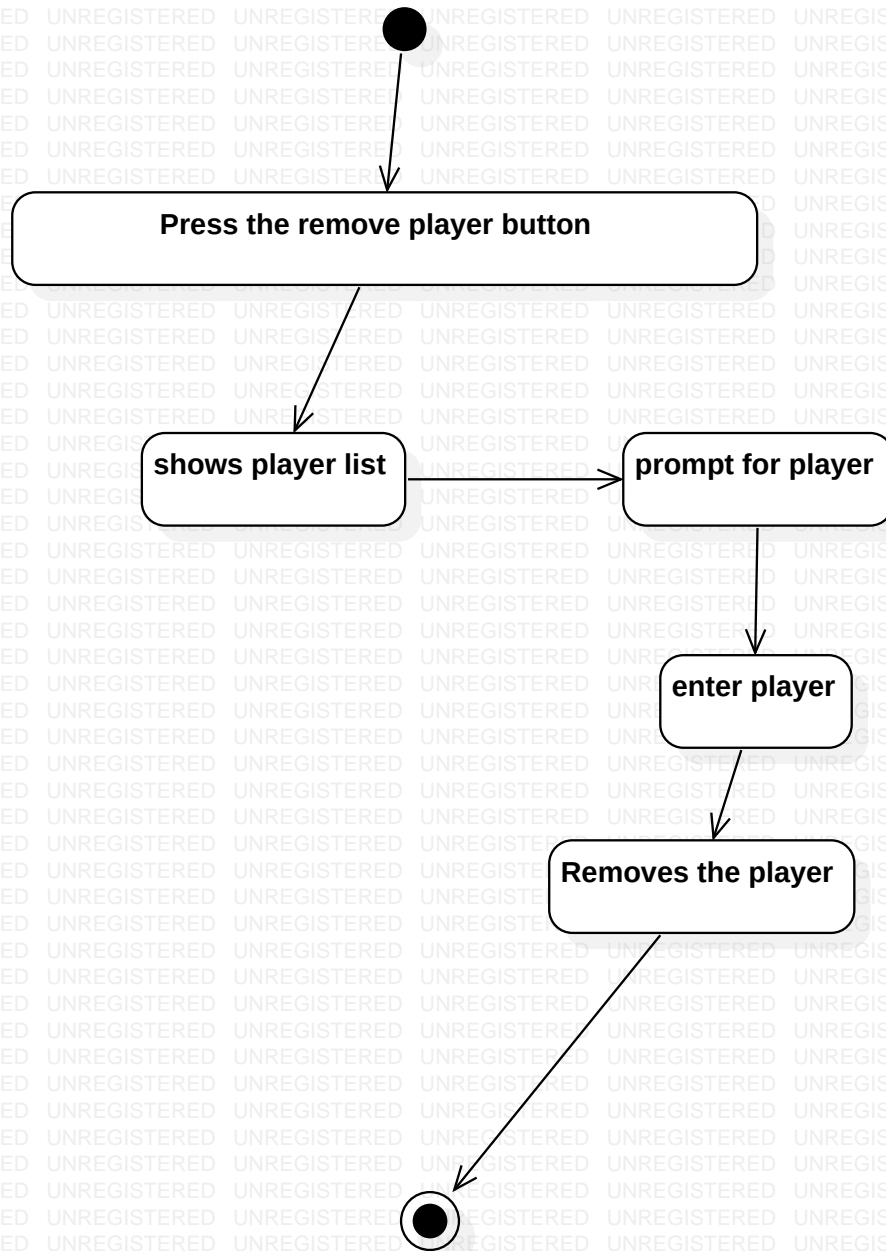
# Activity Diagram UC #13



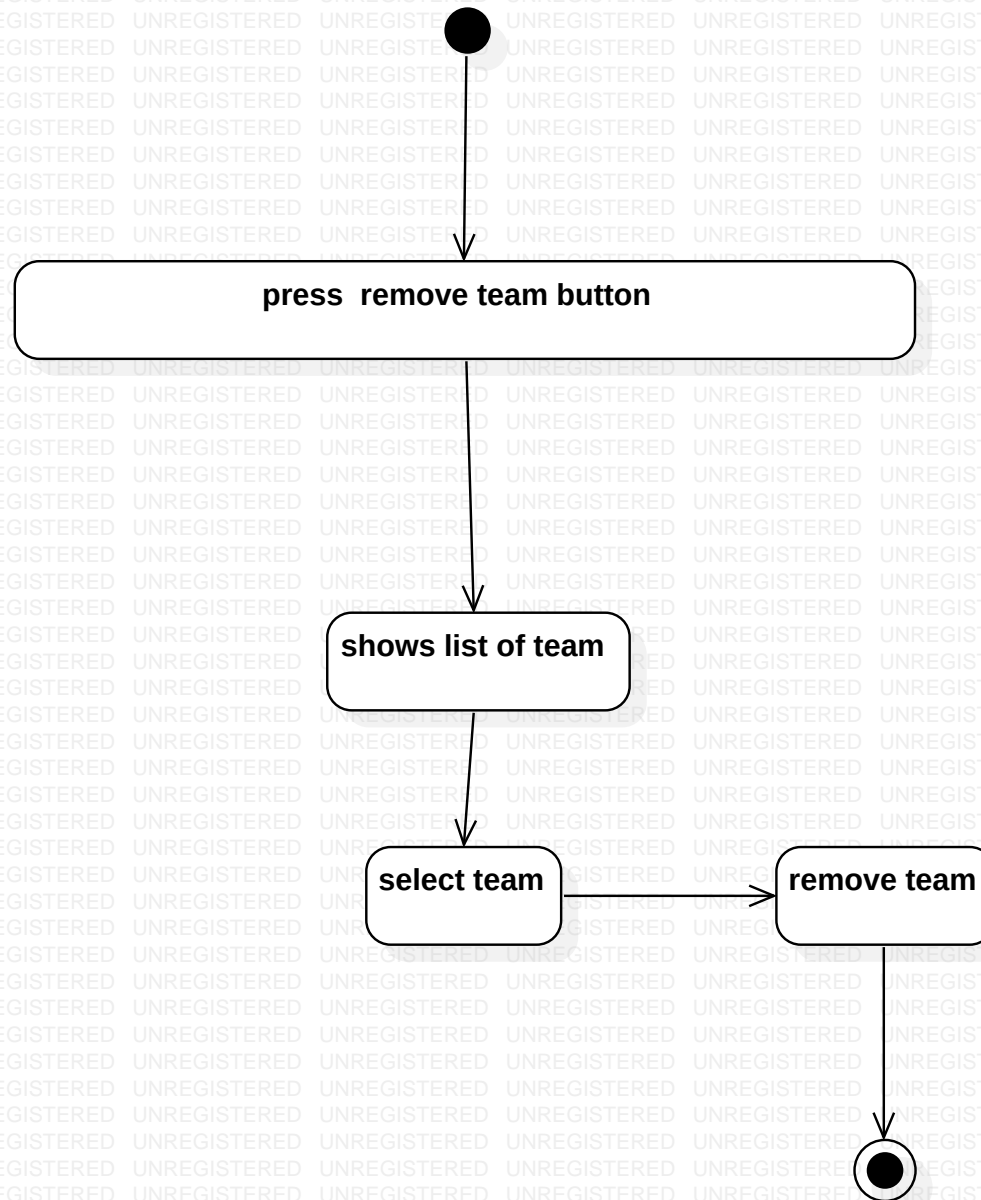
# Activity Diagram UC #14



# Activity Diagram UC #15

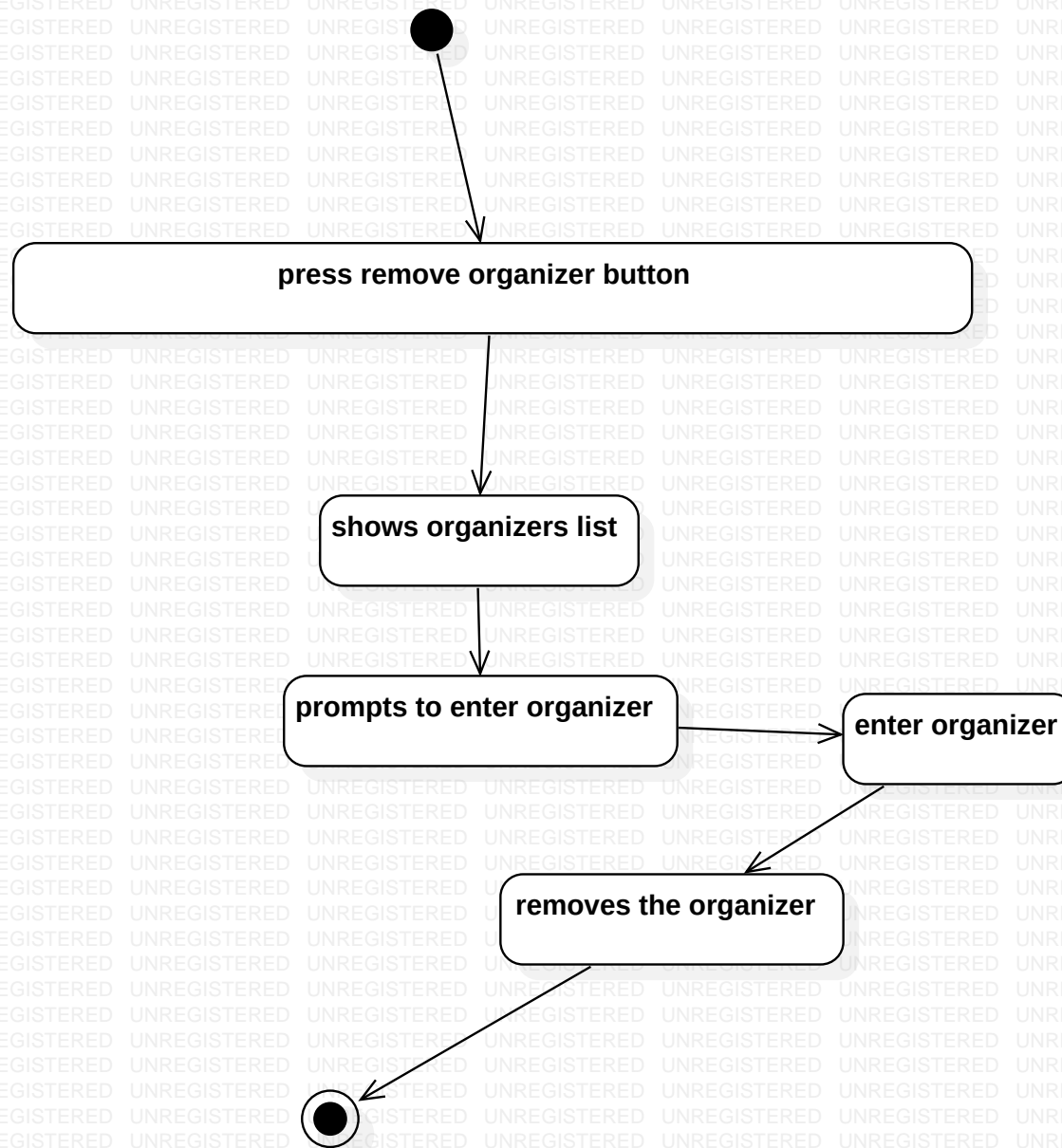


## Activity Diagram UC #16

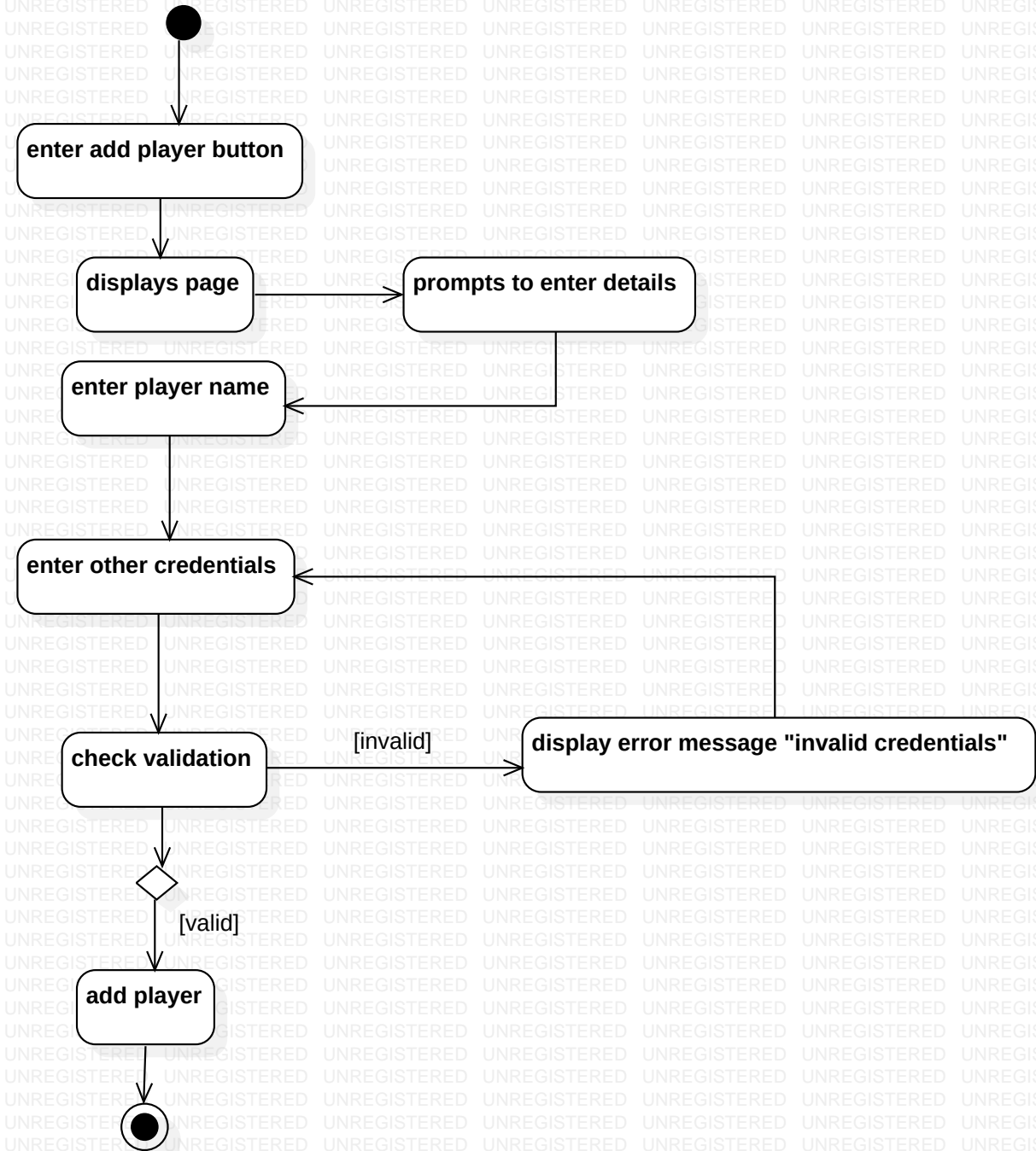




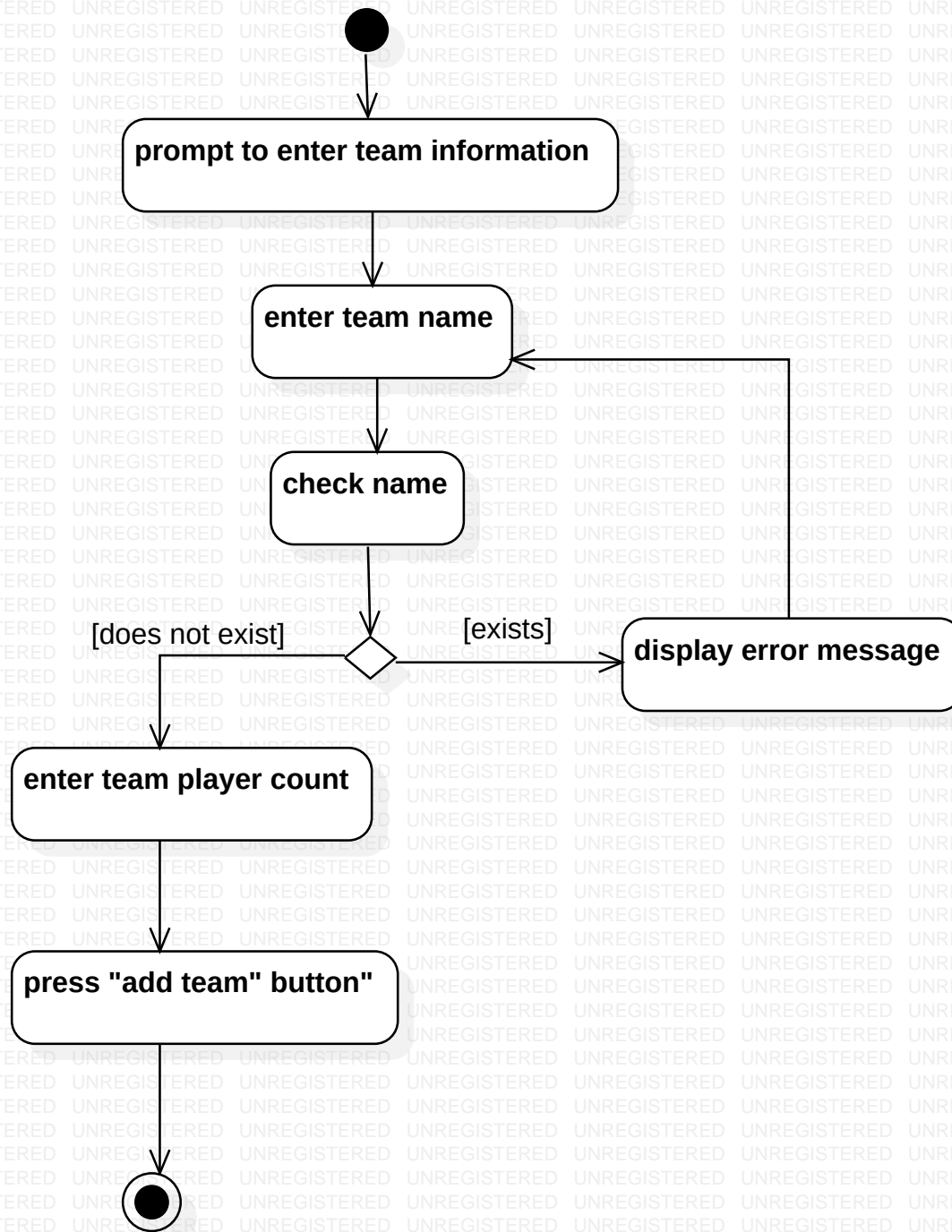
# Activity Diagram UC #17



## Activity Diagram UC #18



## Activity Diagram UC #19



# Activity Diagram UC #20

enter "view team" option

display teams' list

