

User story:

Use case	Actor	User story
creating user account	anyone	Any one can create an user account as an organizer or a player.
login	organizer	Organizer can login an view organizer dashboard.
Create tournament	organizer	Organizer can create any number of tournament they want.
Create prize	organizer	Organizer will have to create at least create one prize for each tournament but there can be as many prize as the organizer want.
Add or remove team from tournament	organizer	Organizer can add as may teams as they like in a tournament and they also can remove them.
Enter tournament match scores	organizer	Depending on the number of team the match will be auto generated for each round and the winner will go to new round and play against another team. After each match organizer will update the scores of two teams. And winner will determined by the score and updated.
Update tournament match scores	organizer	If any match scores need to be corrected or changed the organizer can update that score.
View finished tournament matches details	organizer	After the tournament is finished the winners will be declared. The organizer can view all the matches details for each round.
Update or delete	organizer	Organizers can update their profile information or they can even delete their account.
login	player	Organizer can login an view player dashboard.

View current tournaments playing	player	Player can see what tournaments are they playing. They can open that tournament details from for more information by clicking on the tournament name.
See matches played in tournament	player	Player can see how many matches they have played in currently running tournament and there details.
See next match competitor and details	player	After each round is over the next rounds matchups will be generated. And players can see what team is their next competitor.
View played tournament details	player	All the tournament played by the played will be listed here. He can see the matches details of each round scores and winners of the tournament here.
Create team	Player	Player can create team and add or remove other players from their team by the player who created the team.
Update or delete profile	Player	Player can update their profile information or they can even delete their account.

Data dictionary:

Player :

Key	Name	Data type	Nullable
Primary	player_id	int	
	player_name	varchar(50)	
	player_password	varchar(50)	
	player_email	varchar(50)	
	player_number	int	

Organizer :

Key	Name	Data type	Nullable
Primary	organizer_id	int	
	organizer_name	varchar(50)	
	organizer_password	varchar(50)	
	organizer_email	varchar(50)	
	organizer_number	int	

Prize :

Key	Name	Data type	Nullable
Primary	prize_id	int	
	prize_name	varchar(50)	
	prize_number	int	
	prize_amount	int	
Foreign	tournament_id	int	

match :

Key	Name	Data type	Nullable
Primary	prize_id	int	
Foreign	match_winner(team_id)	int	
	match_round	int	
Foreign	tournament_id	int	

match_played :

Key	Name	Data type	Nullable
Primary	match_played_id	int	
Foreign	current_match(match_id)	int	
Foreign	match_participant_id	int	

tournament :

Key	Name	Data type	Nullable
Primary	tournament_id	int	
	tournament_name	varchar(50)	
Foreign	organizer_id	int	

match_participant:

Key	Name	Data type	Nullable
Primary	match_participant_id	int	
	match_participant_score	int	
Foreign	match_participant_parent_match(match_id)	int	
Foreign	match_participant_team(team_id)	int	

tournament_teams:

Key	Name	Data type	Nullable
Primary	tournament_teams_id	int	
Foreign	tournament_id	int	
Foreign	team_id	int	

team:

Key	Name	Data type	Nullable
Primary	team_id	int	
	team_name	varchar(50)	

team_member:

Key	Name	Data type	Nullable
Primary	team_member_id	int	
Foreign	team_id	int	
Foreign	player_id	int	