

Problem Statement

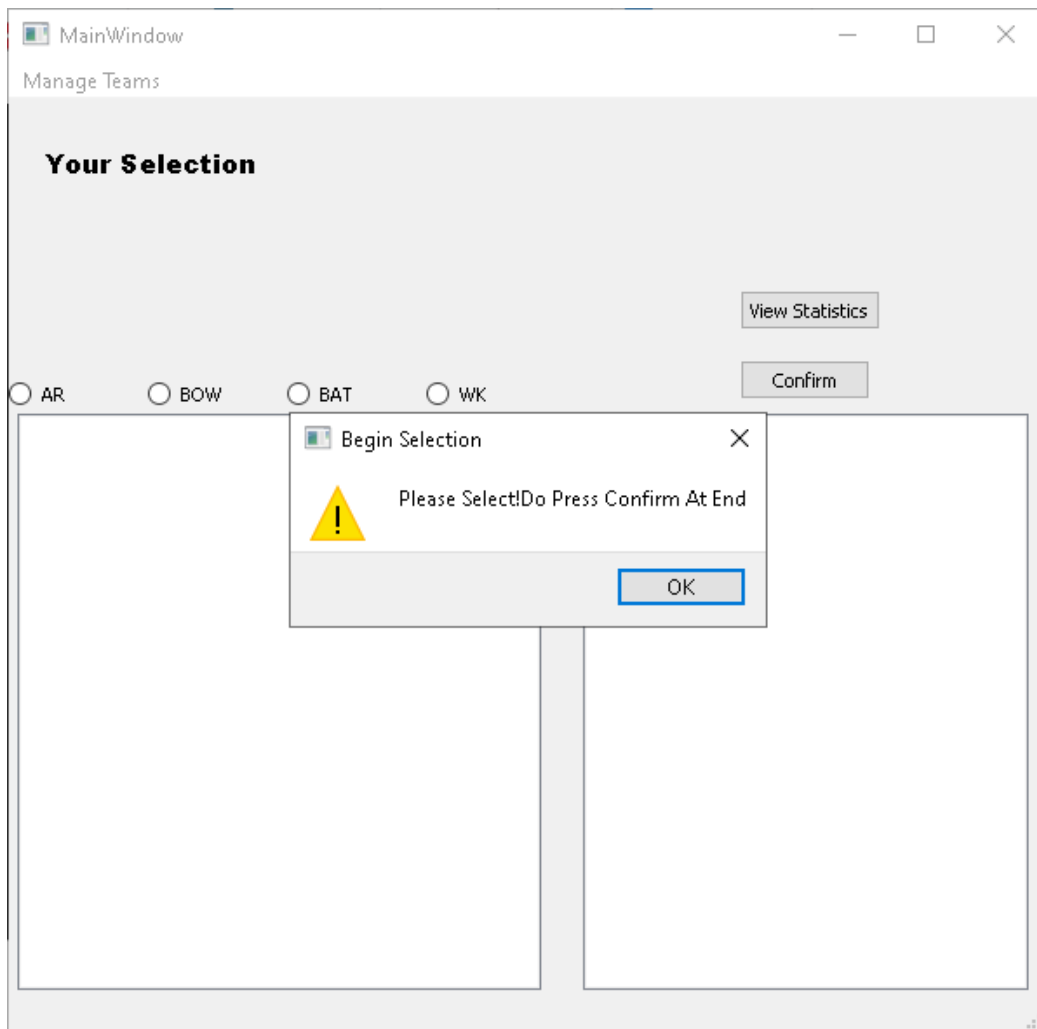
The game is based on principle of user defined team selection. With the help of statistics, the user could determine which player he/she should choose in order to score maximum. Then the user can save his/her team. Now based on current match performance new points will be awarded to all players.

The user has to then click on Evaluate Score where based on how the players have performed in current match the points will be awarded. So this is how multiple user can compete amongst themselves and the one with most point is winner.

The whole project uses programming in Python, GUI development and the concept of DBMS.

Software Front End

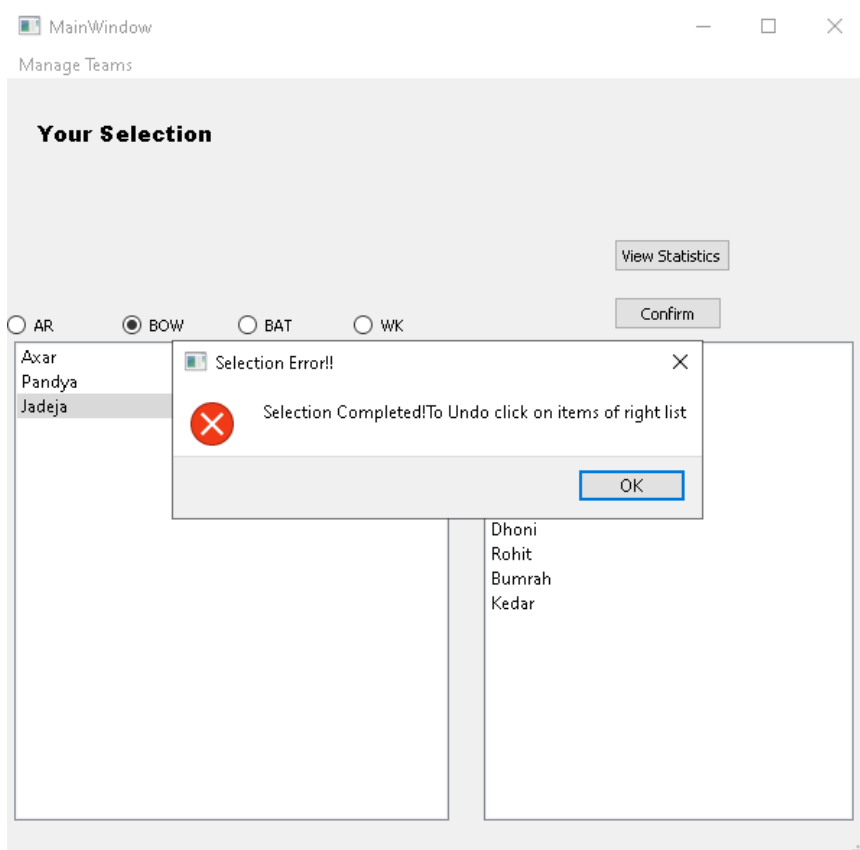
Main Window:



This is the window where the user could select player of his choice. The user could get details about the player through "View Statistics" button. The "Confirm" button needs to be pressed in the end so as to ensure all players are selected only once. Not pressing it will give "Click error". The selection starts by clicking "Manage Teams" and then clicking "New Team".

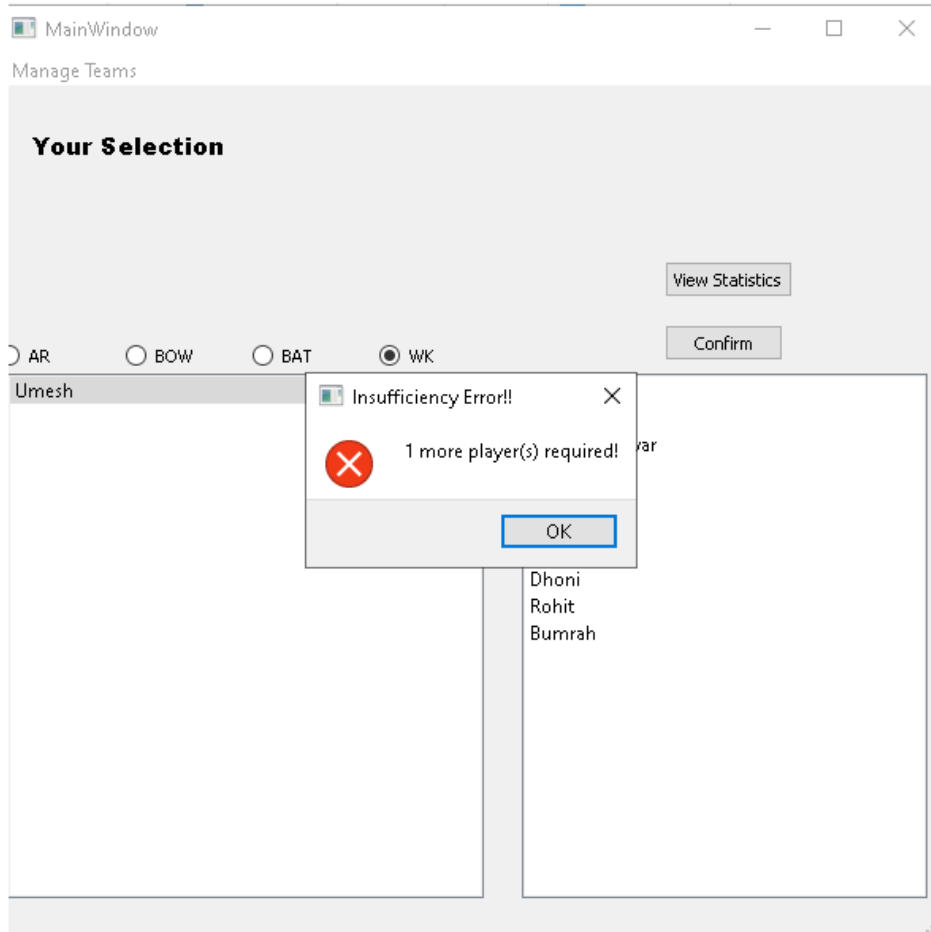
Statistics						
	Player	Matches	Runs	100's	50's	Val
1	Kohli	189	8257	28	43	120
2	Yuvraj	86	3589	10	21	100
3	Rahane	158	5435	11	31	100
4	Dhawan	25	565	2	1	85
5	Dhoni	78	2573	3	19	75
6	Axar	67	208	0	0	100
7	Pandya	70	77	0	0	75
8	Jadeja	16	1	0	0	85
9	Kedar	111	675	0	1	90
10	Ashwin	136	1914	0	10	100
11	Umesh	296	9496	10	64	110
12	Bumrah	73	1365	0	8	60
13	Bhuvaneshwar	17	289	0	2	75

This is the statistics of the player. When all 11 players are selected the following message pops.

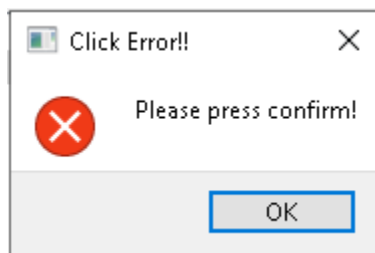


To remove a selected player in the populated list (the right one), select the player. It will get removed.

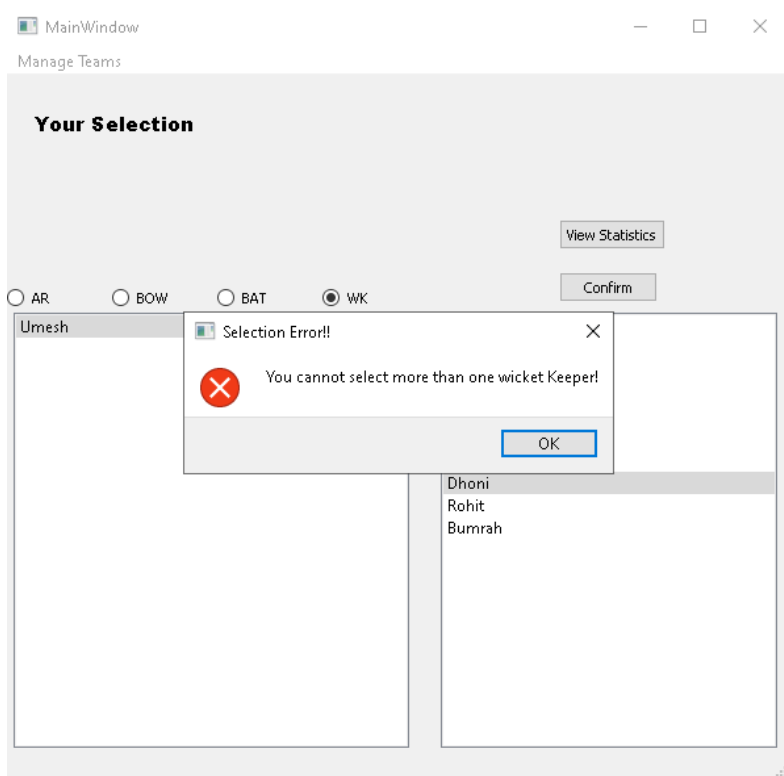
When confirm button is clicked it checks for the multiple selection of same player. If found, removes the duplicated player, replaces it by single selection and raises “Insufficiency Error”.



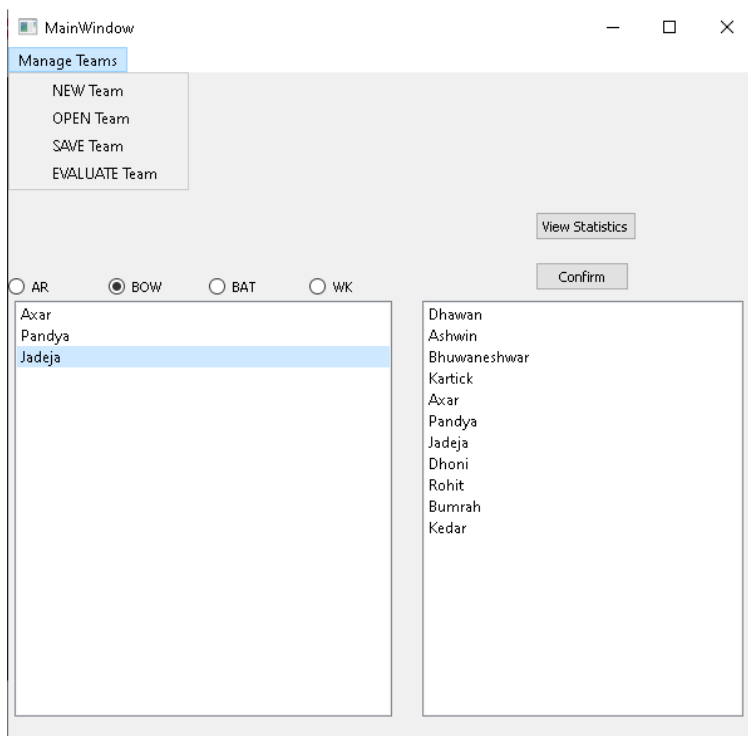
If confirm is not clicked before saving, then the records are not saved and it raises “Click error!!”



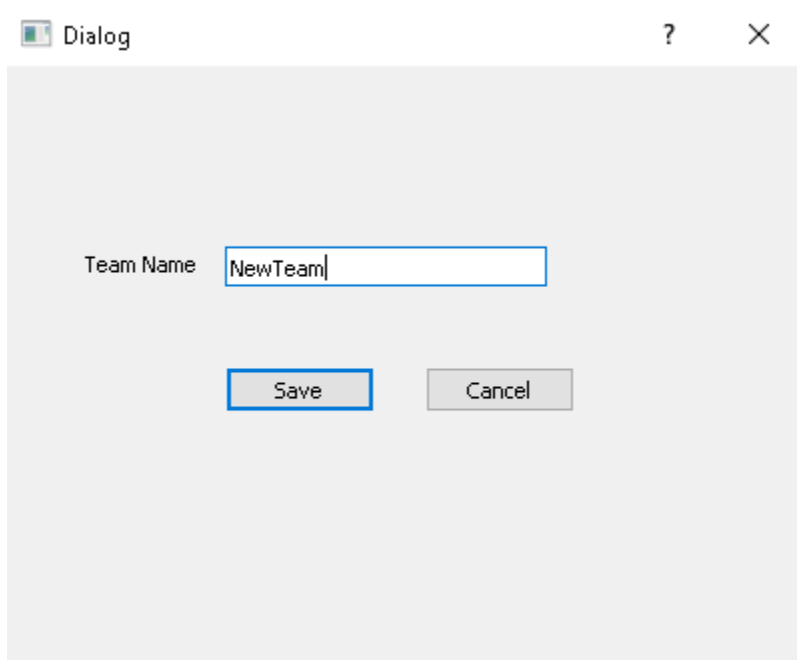
If more than one wicket keeper is selected following error is raised.



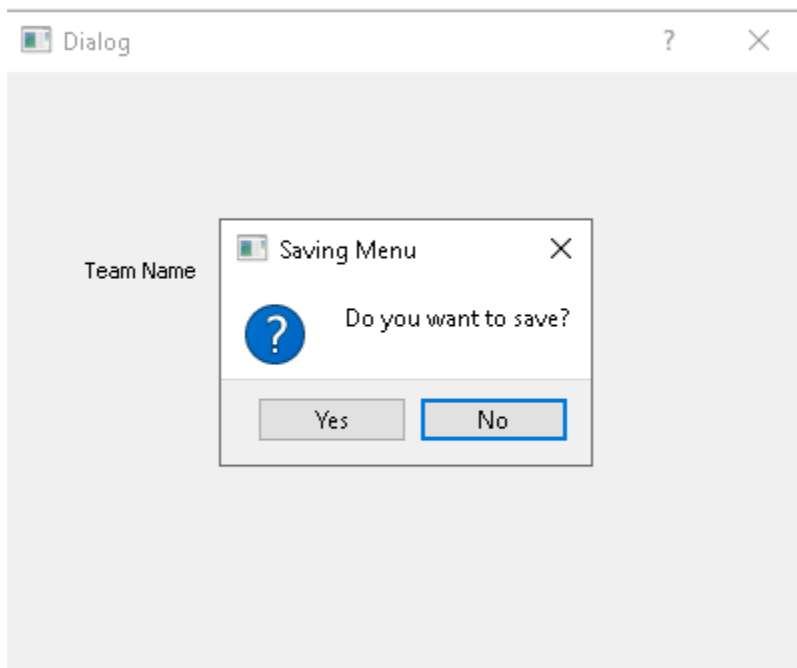
Dropdown menu consists of:



Save Team: Allows user to save. But the confirm button needs to be clicked. Following dialog comes on clicking SAVE Team in Manage tab.

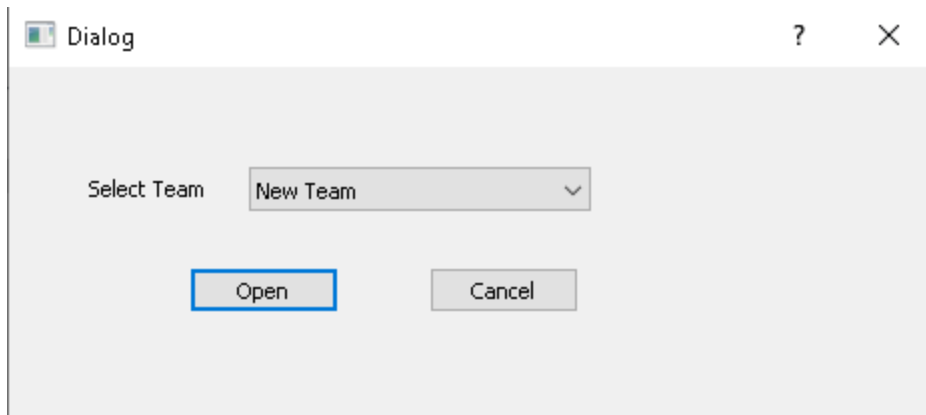


On clicking Save:

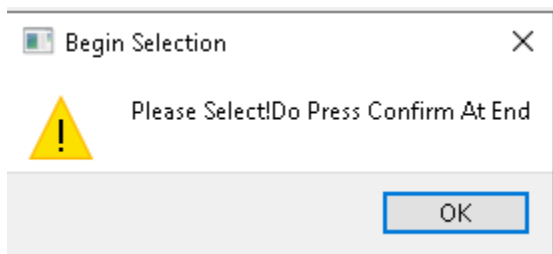
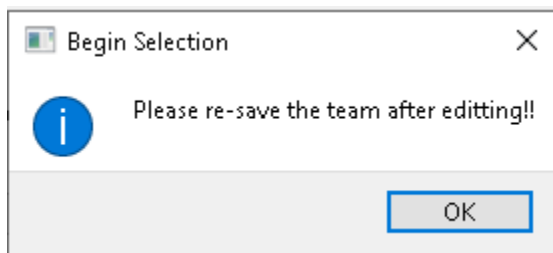


If "Yes" is clicked then it is saved.

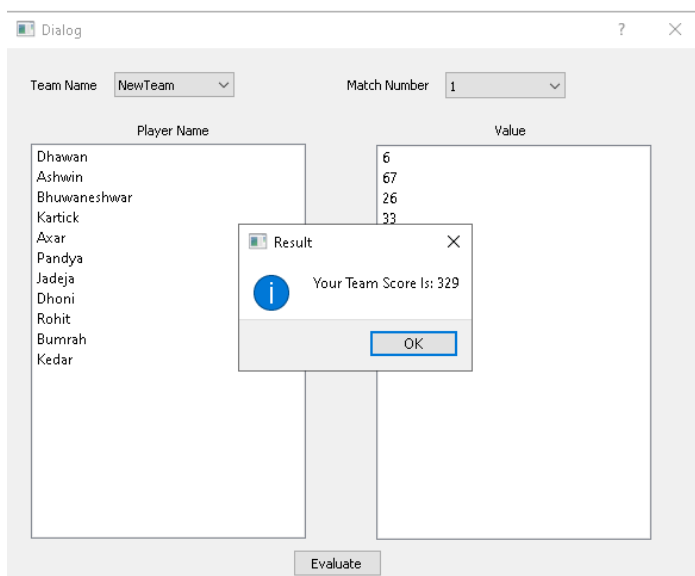
On clicking "OPEN Team" we get following dialogue:



Clicking Open gives two messages:



On clicking “EVALUATE Team”, a dialogue opens where user has to select its team and then the “Match number”. Then finally on clicking “Evaluate” we have:



Software Back End

In back end we have the main window comprising of the most of the functions. We have two list boxes, one is comprising of the selection category list(left one). So when a radio button of particular category is clicked, then from database of players it takes the name of the player who belongs to selected category.

This is how left list box is populated. Then if user clicks on player name on this list. Then function liAdder() removes the name and puts it on right list. In the same way if right list player is clicked then the right list member gets removed. This is done by liUndoer().

If 11 players are selected duplicate or non-duplicate. The message pops. Then user has to click "Confirm"

The "Confirm" button invokes autoAdder() which checks for multiple selection. Multiple selection check is done by Remove() function (present in autoAdder()) which replaces multiple instances by single instance. Naturally, if multiple selection is there then players selected are less, thus autoAdder() gives " Insufficiency Error" .

The program maintains the count of wicket Keeper selection. If count exceeds one it gives error.

In Manage Team , when " SAVE Team" is clicked then Save Dialog is called. The Save button calls saver(). If "Confirm" is not clicked before saving then saver() function gives "Click Error!"

When "OPEN Team" is clicked editter() is called which populates the right list and deletes the selected team. So, the user has to re-save.

When "EVALUATE Team" is clicked calcScore() is called which calculates the total from the values populated in the Value list of Evaluate Team Dialogue.