# Test Cases

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| **Test Case ID** | **Test Case** | **Input data** | **Expected Output** | **Actual Output** | **Pass/**  **Fail** |
| 1 | Create Club (Normal) | Select the option 1 from the menu  Select option 1 from the football club types  Enter the all the prompted information  Repeat this until 3 clubs are created with the details given below  [ Club name: Arsenal  Location: Newcastle  Coach Name: Arsene],  [ Club name: Barnsley  Location: Aston Villa  Coach Name: Mikel],  [ Club name: Liverpool  Location: England  Coach Name: Jurgen] | Displays “Clubs Successfully added!” for both the club details entered | Displays “Clubs Successfully added!” for both the club details entered | Pass |
| 2 | Create Club (University) | Select the option 1 from the menu  Select option 2 from the football club types  Enter the all the prompted information given below  [ Club name: Juventus  Location: Italy  Coach Name: Andrea  University Name: IIT] | Displays “Clubs Successfully added!” | Displays “Clubs Successfully added!” | Pass |
| 3 | Create Club (School) | Select the option 1 from the menu  Select option 3 from the football club types  Enter the all the prompted information given below  [ Club name: Barcelona  Location: Spain  Coach Name: Ronald  School Name: Royal] | Displays “Clubs Successfully added!” | Displays “Clubs Successfully added!” | Pass |
| 4 | Delete Club | Select the option 2 from the menu  Enter “Liverpool” as the club name to be deleted  Enter “y” to confirm the deletion of the respective club. | Display a message that the club was successfully deleted with more details of the deleted club. | Display a message that the club was successfully deleted with more details of the deleted club. | Pass |
| 5 | Display club statistics | Select the option 3 from the menu  Enter “Juventus” as the club name to display the statistics. | Display all the statistics of the club “Juventus” | Display all the statistics of the club “Juventus” | Pass |
| 6 | Display Premier League Table | Select the option 4 from the menu  Enter any season you wish, for an instance “2020-21” | Display an empty table for the season entered. | Display an empty table for the season entered. | Pass |
| 7 | Add Played Match | Select the option 5 from the menu  Add all the following matches by repeatedly selecting the “Add Played Match Option”   |  | | --- | | Club name 1: Arsenal  Goal Scored: 5  Club name 2: Barcelona  Goal Scored: 3  Day: 14  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Arsenal  Goal Scored: 5  Club name 2: Barcelona  Goal Scored: 3  Day: 15  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Arsenal  Goal Scored: 5  Club name 2: Juventus  Goal Scored: 3  Day: 15  Month: 11  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barcelona  Goal Scored: 3  Club name 2: Arsenal  Goal Scored: 0  Day: 17  Month: 10  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barcelona  Goal Scored: 10  Club name 2: Juventus  Goal Scored: 8  Day: 12  Month: 8  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Juventus  Goal Scored: 7  Club name 2: Barnsley  Goal Scored: 8  Day: 7  Month: 8  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 0  Club name 2: Juventus  Goal Scored: 0  Day: 14  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 2  Club name 2: Juventus  Goal Scored: 2  Day: 15  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 3  Club name 2: Juventus  Goal Scored: 3  Day: 14  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 2  Club name 2: Juventus  Goal Scored: 2  Day: 15  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 1  Club name 2: Juventus  Goal Scored: 1  Day: 13  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 2  Club name 2: Juventus  Goal Scored: 2  Day: 11  Month: 10  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 5  Club name 2: Juventus  Goal Scored: 5  Day: 10  Month: 10  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 1  Club name 2: Juventus  Goal Scored: 1  Day: 13  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 5  Club name 2: Barcelona  Goal Scored: 5  Day: 17  Month: 11  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 6  Club name 2: Barcelona  Goal Scored: 6  Day: 14  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 4  Club name 2: Barcelona  Goal Scored: 4  Day: 18  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 2  Club name 2: Barcelona  Goal Scored: 2  Day: 14  Month: 12  Year: 2020  Select 2020-21 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Display the following message  “Match Successfully added!” for each of the matches added | Display the following message  “Match Successfully added!” for each of the matches added | Pass |
| 8 | Display Club Statistics | Select the option 3 from the menu  Enter “Juventus” as the club name to display the statistics. | Display all the statistics of the club “Juventus” | Display all the statistics of the club “Juventus” | Pass |
| 9 | Display Club Statistics | Select the option 3 from the menu  Enter “Arsenal” as the club name to display the statistics. | Display all the statistics of the club “Arsenal” | Display all the statistics of the club “Arsenal” | Pass |
| 10 | Display Club Statistics | Select the option 3 from the menu  Enter “Barcelona” as the club name to display the statistics. | Display all the statistics of the club “Barcelona” | Display all the statistics of the club “Barcelona” | Pass |
| 11 | Display Club Statistics | Select the option 3 from the menu  Enter “Barnsley” as the club name to display the statistics. | Display all the statistics of the club “Barnsley” | Display all the statistics of the club “Barnsley” | Pass |
| 12 | Display Premier League Table | Select the option 4 from the menu  Enter “2020-21” as the season | Displays the Premier League Table for the season 2020-21 sort in descending order of points | Displays the Premier League Table for the season 2020-21 sort in descending order of points | Pass |
| 13 | Add Played Match | Select the option 5 from the menu  Add all the following matches by repeatedly selecting the “Add Played Match Option” for other seasons   |  | | --- | | Club name 1: Juventus  Goal Scored: 9  Club name 2: Barcelona  Goal Scored: 6  Day: 20  Month: 12  Year: 2020  Select 2019-20 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Barnsley  Goal Scored: 6  Club name 2: Juventus  Goal Scored: 4  Day: 14  Month: 12  Year: 2020  Select 2019-20 as the season  Enter match type as “Away”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Arsenal  Goal Scored: 5  Club name 2: Juventus  Goal Scored: 1  Day: 22  Month: 10  Year: 2020  Select 2019-20 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Club name 1: Juventus  Goal Scored: 3  Club name 2: Juventus  Goal Scored: 2  Day: 10  Month: 11  Year: 2018  Select 2018-19 as the season  Enter match type as “Home”  Enter “Y” to make sure that the details entered are correct and to continue | | Display the following message  “Match Successfully added!” for each of the matches added | Display the following message  “Match Successfully added!” for each of the matches added | Pass |
| 14 | Display Club Statistics | Select the option 3 from the menu  Enter “Juventus” as the club name to display the statistics.  Repeat this process for the other clubs such as “Barcelona”, “Barnsley”, “Arsenal” | Display all the statistics of the club “Juventus”  Display all the statistics of the club “Barcelona”  Display all the statistics of the club “Barnsley”  Display all the statistics of the club “Arsenal” | Display all the statistics of the club “Juventus”  Display all the statistics of the club “Barcelona”  Display all the statistics of the club “Barnsley”  Display all the statistics of the club “Arsenal” | Pass |
| 15 | Display Premier League Table | Select the option 4 from the menu  Enter “2019-20” as the season | Displays the Premier League Table for the season 2019-20 sort in descending order of points | Displays the Premier League Table for the season 2019-20 sort in descending order of points | Pass |
| 16 | Display Premier League Table | Select the option 4 from the menu  Enter “2018-19” as the season | Displays the Premier League Table for the season 2018-19 sort in descending order of points | Displays the Premier League Table for the season 2018-19 sort in descending order of points | Pass |
| 17 | Display GUI | Select the option 6 from the menu | Displays message “Opening the GUI at localhost: 4200”  The GUI opens in a new tab in the web browser. | Displays message “Opening the GUI at localhost: 4200”  The GUI opens in a new tab in the web browser. | Pass |
| 18 | Display table in the GUI | Select the “tables” option from the nav bar from the GUI | This displays a scrollable record table with the options such as sort by points, goals scored and wins. Moreover, it has an option to select the season to display the records. | This displays the table with the options such as sort by points, goals scored and wins. Moreover, it has an option to select the season to display the records. | Pass |
| 19 | Display matches in the GUI | Select the “matches” option from the nav bar from the GUI | This displays a scrollable list of matches and the user will have the option to search matches by “date” and also select matches by season, Moreover the user is also able to generate a match as well. | This displays a scrollable list of matches and the user will have the option to search matches by “date” and also select matches by season, Moreover the user is also able to generate a match as well. | Pass |
| 20 | Save data to file | Select the option 7 from the menu. | This will display the following message if there are no exceptions caused  “Saving the data . . .”  “Successfully saved!”  The data will be stored into the text file | This will display the following message if there are no exceptions caused  “Saving the data . . .”  “Successfully saved!”  The data will be stored into the text file | Pass |
| 21 | Clear data from file | Select the option 8 from the menu | This will display the following message if there are no exceptions caused  “Clearing the contents of the file”  “Successfully cleared the file details”  All the data from the text file will be cleared | This will display the following message if there are no exceptions caused  “Clearing the contents of the file”  “Successfully cleared the file details”  All the data from the text file will be cleared | Pass |
| 22 | Exit Program | Select the option 9 from the menu.  Enter “y” to confirm that you want to exit | This will display the following message  “Saving data ...”  “Exiting program…”  The program will exit | This will display the following message  “Saving data ...”  “Exiting program…”  The program will exit | Pass |