# FIFA22

GROUP 4
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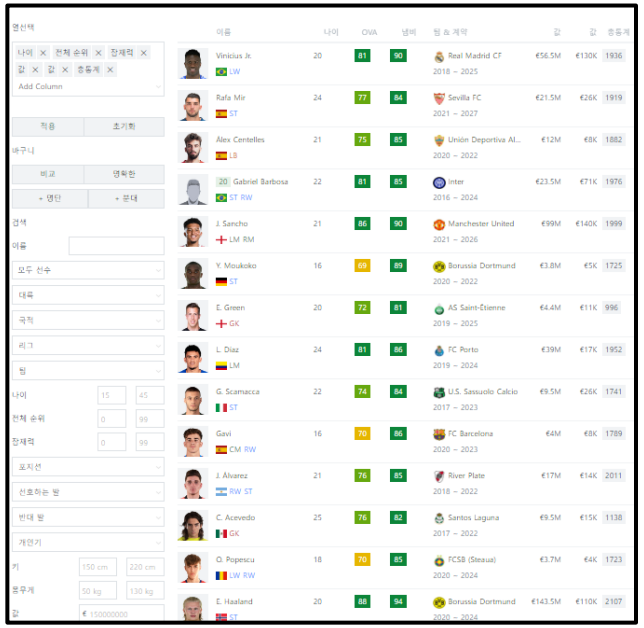
# GUI

## that we referred to



< sofifa.com >

< FIFA Online Inven >

**We designed our GUI to contain functions from these two pages in one application.**

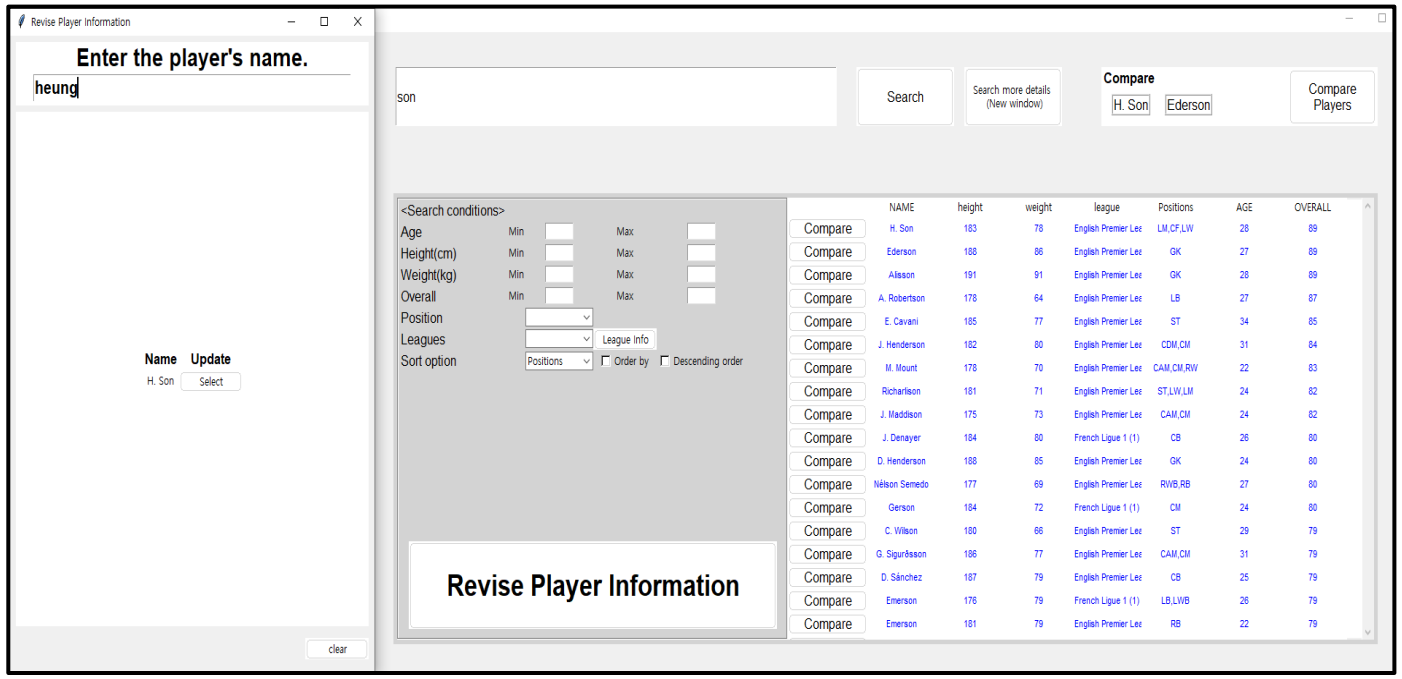
## Target Users

People who want to search players data from selected leagues

## Purpose of GUI

To make easy to find and compare players data

# UI



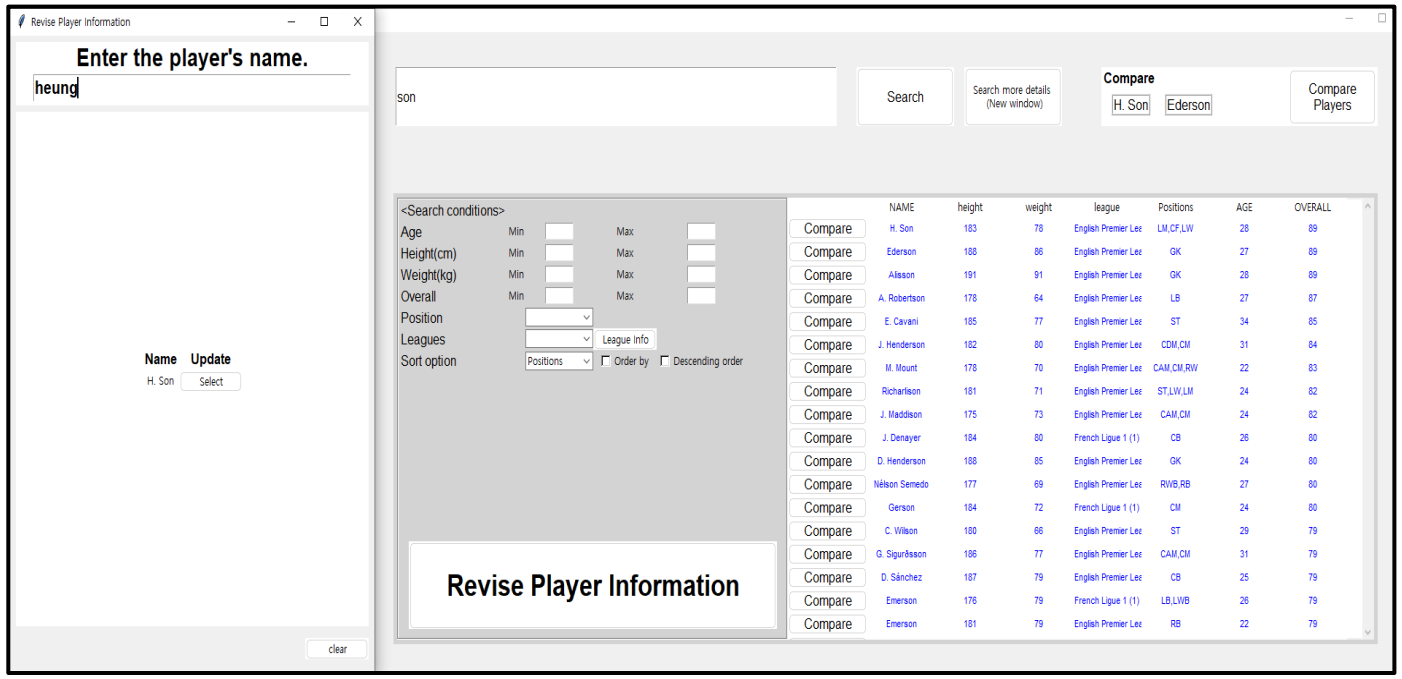

# Design decision

We tried to put all functions from web sites on previous slide.

At first, We make our main window with search function.

And make updating and comparing function which use search results on new window.

# UI




# Functions

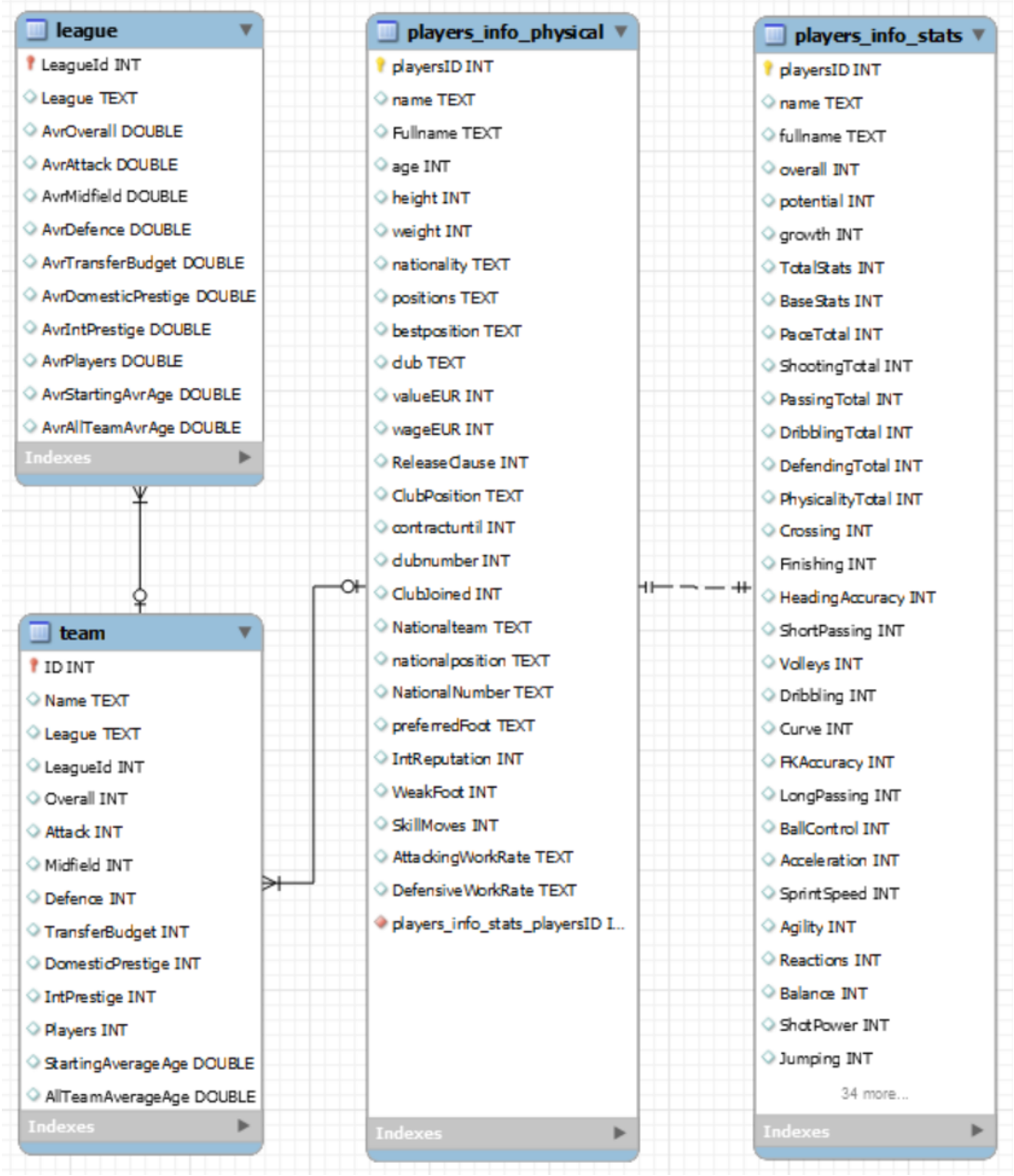
1. **User can search with simple filter**
2. **User can easily compare searched players data**
3. **User can update wrong value in database easily**

# Tools

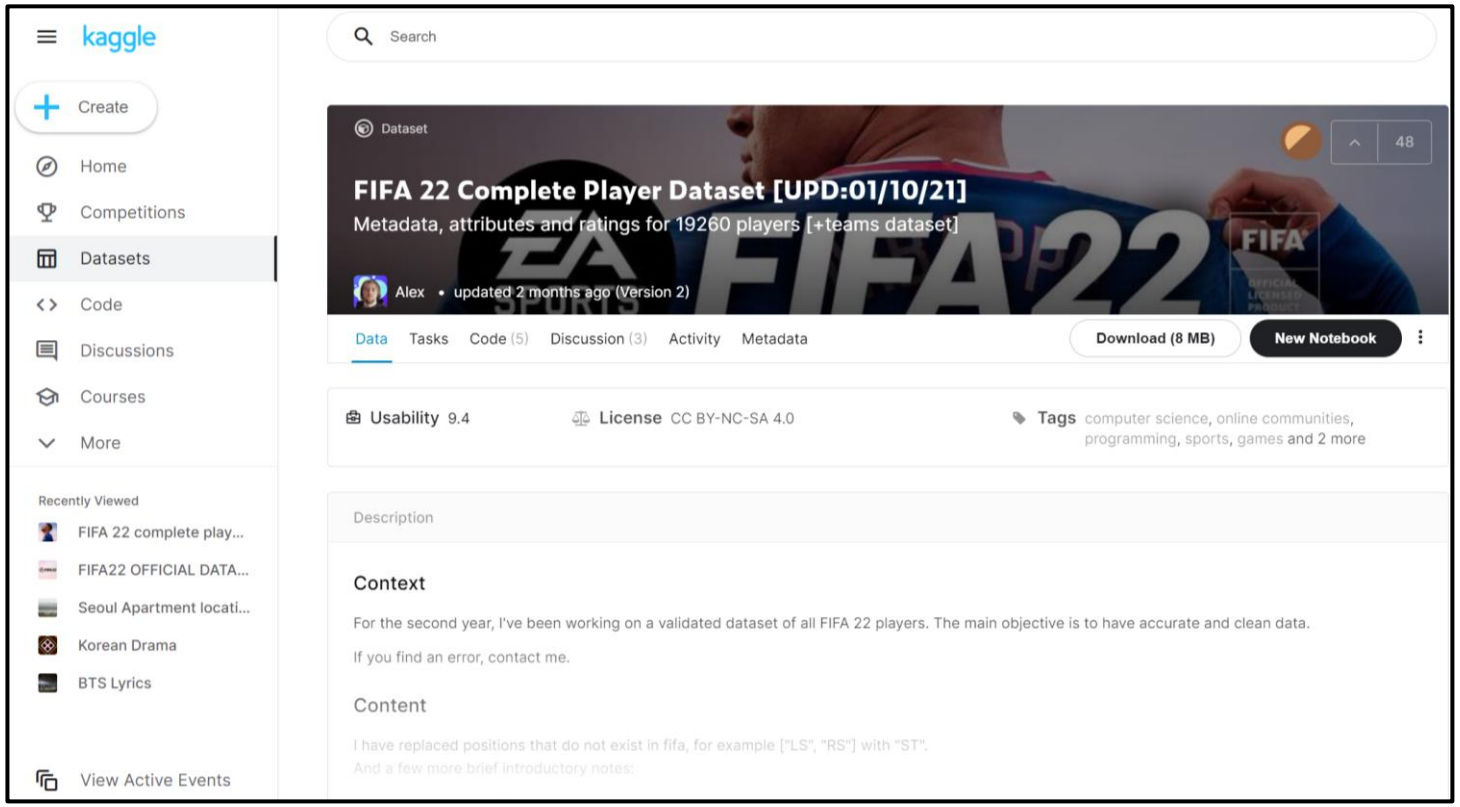
**To build GUI with Tkinter**

**To import and clear dataset**

# ERD


league
LeagueId INT
League TEXT
AvrOverall DOUBLE
AvrAttack DOUBLE
AvrMidfield DOUBLE
AvrDefence DOUBLE
AvrTransferBudget DOUBLE
AvrDomesticPrestige DOUBLE
AvrIntPrestige DOUBLE
AvrPlayers DOUBLE
AvrStartingAvrAge DOUBLE
AvrAllTeamAvrAge DOUBLE
Indexes
team
ID INT
Name TEXT
League TEXT
LeagueId INT
Overall INT
Attack INT
Midfield INT
Defence INT
TransferBudget INT
DomesticPrestige INT
IntPrestige INT
Players INT
StartingAverageAge DOUBLE
AllTeamAverageAge DOUBLE
Indexes
players_info_physical
playersID INT
name TEXT
Fullname TEXT
age INT
height INT
weight INT
nationality TEXT
positions TEXT
bestposition TEXT
club TEXT
valueEUR INT
wageEUR INT
ReleaseClause INT
ClubPosition TEXT
contractuntil INT
clubnumber INT
ClubJoined INT
Nationalteam TEXT
nationalposition TEXT
NationalNumber TEXT
preferredFoot TEXT
IntReputation INT
WeakFoot INT
SkillMoves INT
AttackingWorkRate TEXT
DefensiveWorkRate TEXT
players_info_stats_playersID I...
Indexes
players_info_stats
playersID INT
name TEXT
fullname TEXT
overall INT
potential INT
growth INT
TotalStats INT
BaseStats INT
PaceTotal INT
ShootingTotal INT
PassingTotal INT
DribblingTotal INT
DefendingTotal INT
PhysicalityTotal INT
Crossing INT
Finishing INT
HeadingAccuracy INT
ShortPassing INT
Volleys INT
Dribbling INT
Curve INT
FKAccuracy INT
LongPassing INT
BallControl INT
Acceleration INT
SprintSpeed INT
Agility INT
Reactions INT
Balance INT
ShotPower INT
Jumping INT
34 more...
Indexes

# Dataset




**< Kaggle - FIFA 22 Complete Player Dataset >**

**players_fifa22.csv**

**teams_fifa22.csv**

## players_fifa22.csv

**League**

Belgian Jupiler Pro League (1), English Premier League (1),
French Ligue 1 (1), German 1. Bundesliga (1)
Italian Serie A (1), Korean K League 1 (1), Spain Primera Division (1)

## players_info_physical

playersID, name, Fullname, age, height, weight, nationality, positions, bestposition, club, valueEUR, wageEUR, ReleaseClause, ClubPosition, contractuntil, clubnumber, ClubJoined, Nationalteam, nationalposition, NationalNumber, preferredFoot, IntReputation, … 4more

**728 rows X 26 columns**

## players_info_stats

playersID, name, fullname, overall, potential, growth, TotalStats, BaseStats, PaceTotal, ShootingTotal, PassingTotal, DribblingTotal, DefendingTotal, PhysicalityTotal, Crossing, Finishing, HeadingAccuracy, ShortPassing, Volleys, Dribbling, Curve, FKAccuracy, LongPassing, BallControl, … 41more

**728 rows X 65 columns**

**players_fifa22.csv**

**League**

Belgian Jupiler Pro League (1), English Premier League (1),
French Ligue 1 (1), German 1. Bundesliga (1)
Italian Serie A (1), Korean K League 1 (1), Spain Primera Division (1)

**players_info_physical**

```sql
CREATE TABLE players_info_physical
SELECT p.playersID, p.name, p.Fullname, p.age, p.height, p.weight,
p.nationality, p.positions, p.bestposition, p.club, p.valueEUR, p.wageEUR,
p.ReleaseClause, p.ClubPosition, p.contractuntil, p.clubnumber, p.ClubJoined,
p.Nationalteam, p.nationalposition, p.NationalNumber, p.preferredFoot,
p.IntReputation, p.WeakFoot, p.SkillMoves, p.AttackingWorkRate, p.DefensiveWorkRate
FROM players_fifa22 as p
JOIN teams_fifa22 as t
ON p.Club = t.Name
WHERE t.League
IN ("Belgian Jupiler Pro League (1)", "English Premier League (1)",
"French Ligue 1 (1)", "German 1. Bundesliga (1)", "Italian Serie A (1)",
"Korean K League 1 (1)", "Spain Primera Division (1)");
```

**players_info_stats**

```sql
CREATE TABLE players_info_stats
SELECT p.playersID, p.name, p.fullname, p.overall, p.potential, p.growth,
p.TotalStats, p.BaseStats, p.PaceTotal, p.ShootingTotal, p.PassingTotal,
p.DribblingTotal, p.DefendingTotal, p.PhysicalityTotal, p.Crossing,
p.Finishing, p.HeadingAccuracy, p.ShortPassing, p.Volleys, p.Dribbling,
```

⋮ 44 more

```sql
FROM players_fifa22 as p
JOIN teams_fifa22 as t
ON p.club = t.name
WHERE t.League
IN ("Belgian Jupiler Pro League (1)", "English Premier League (1)",
"French Ligue 1 (1)", "German 1. Bundesliga (1)", "Italian Serie A (1)",
"Korean K League 1 (1)", "Spain Primera Division (1)");
```

**teams_fifa22.csv**

**League**

Belgian Jupiler Pro League (1), English Premier League (1),
French Ligue 1 (1), German 1. Bundesliga (1)
Italian Serie A (1), Korean K League 1 (1), Spain Primera Division (1)

## team

ID, Name, League, LeagueId, Overall, Attack, Midfield, Defence, TransferBudget, DomesticPrestige, IntPrestige, Players, StartingAverageAge, AllTeamAverageAge

**131 rows X 14 columns**

## league

League, LeagueId, AvrOverall, AvrAttack, AvrMidfield, AvrDefence, AvrTransferBudget, AvrDomesticPrestige, AvrIntPrestige, AvrPlayers, AvrStartingAvrAge, AvrAllTeamAvrAge

**7 rows X 12columns**

**teams_fifa22.csv**

**League**

Belgian Jupiler Pro League (1), English Premier League (1),
French Ligue 1 (1), German 1. Bundesliga (1)
Italian Serie A (1), Korean K League 1 (1), Spain Primera Division (1)

## team

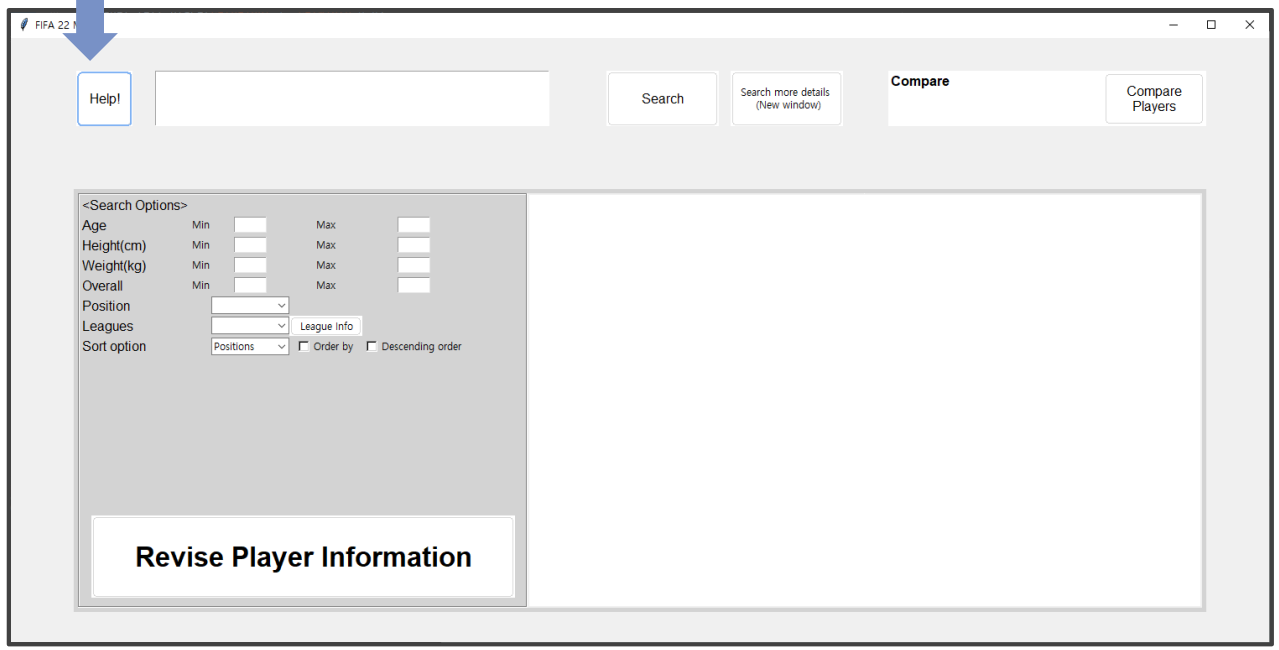
```sql
CREATE TABLE team
SELECT
ID, Name, League, LeagueId, Overall, Attack, Midfield, Defence, TransferBudget,
DomesticPrestige, IntPrestige, Players, StartingAverageAge, AllTeamAverageAge
FROM teams_fifa22
WHERE League
IN ("Belgian Jupiler Pro League (1)", "English Premier League (1)",
"French Ligue 1 (1)", "German 1. Bundesliga (1)", "Italian Serie A (1)",
"Korean K League 1 (1)", "Spain Primera Division (1)");
```

## league

```sql
CREATE TABLE league
SELECT
League, LeagueId, AVG(Overall) AS AvrOverall, AVG(Attack) AS AvrAttack,
AVG(Midfield) AS AvrMidfield, AVG(Defence) AS AvrDefence,
AVG(TrasferBudget) AS AvrTransferBudget, AVG(DomesticPrestige) AS AvrDomesticPrestige,
AVG(IntPrestige) AS AvrIntPrestige, ABG(Players) AS AvrPlayers,
AVG(StartingAvrAge) AS AvrStartingAvrAge, AVG(AllTeamAvrAge) AS AvrAllTeamAvrAge
FROM teams_fifa22
WHERE League
IN ("Belgian Jupiler Pro League (1)", "English Premier League (1)",
"French Ligue 1 (1)", "German 1. Bundesliga (1)", "Italian Serie A (1)",
"Korean K League 1 (1)", "Spain Primera Division (1)")
GROUP BY League;
```

# UI Demo – Help button

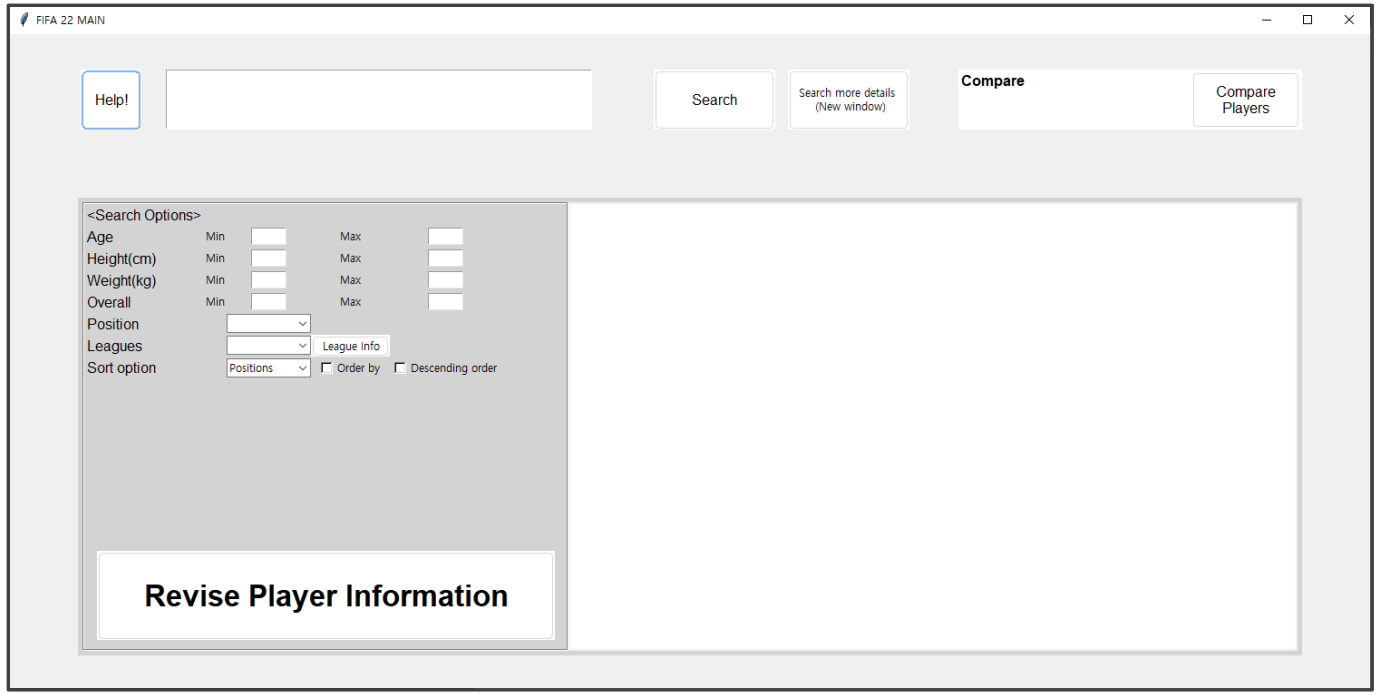
**Help button**




**FIFA22 Search Application**

**Help Manual Window**

# UI Demo - 1) Search Function



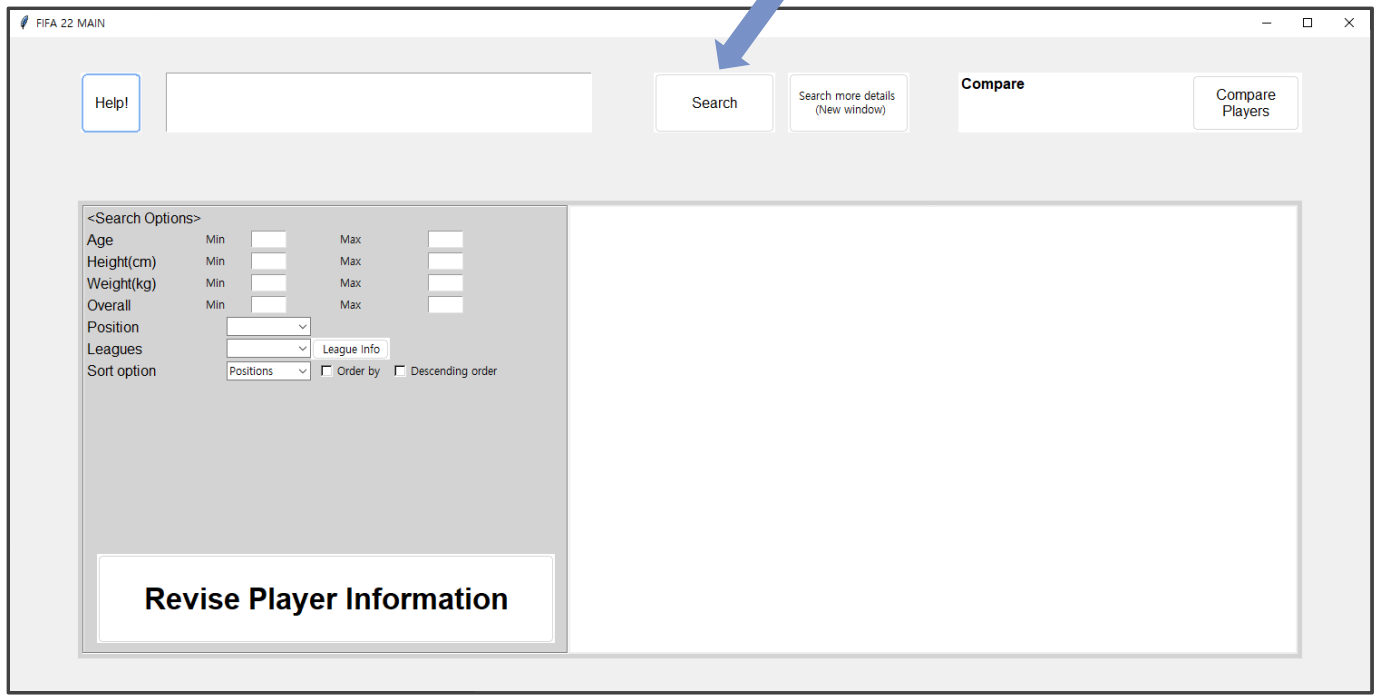

1. Simple Search

2. Search Options

3. Search more details

# UI Demo - Simple Search

Search button




## <Simple Search>

**Type player's name you want to search. And click Search button.**

# UI Demo – Number of results

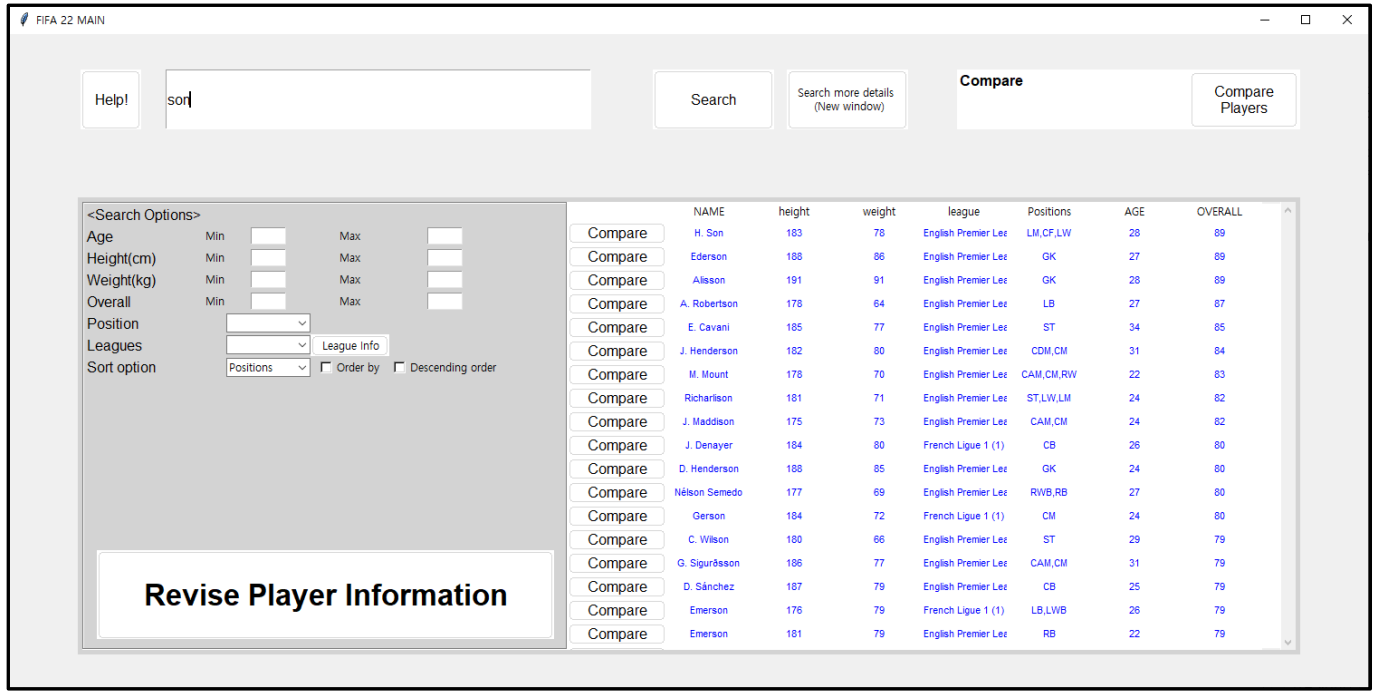
## <Number of Results>

**This message box will show you how many results are in each league.**

**Ex) (47,English Premier League(1))**

**This means 47 results in EPL**

# UI Demo - Simple Search



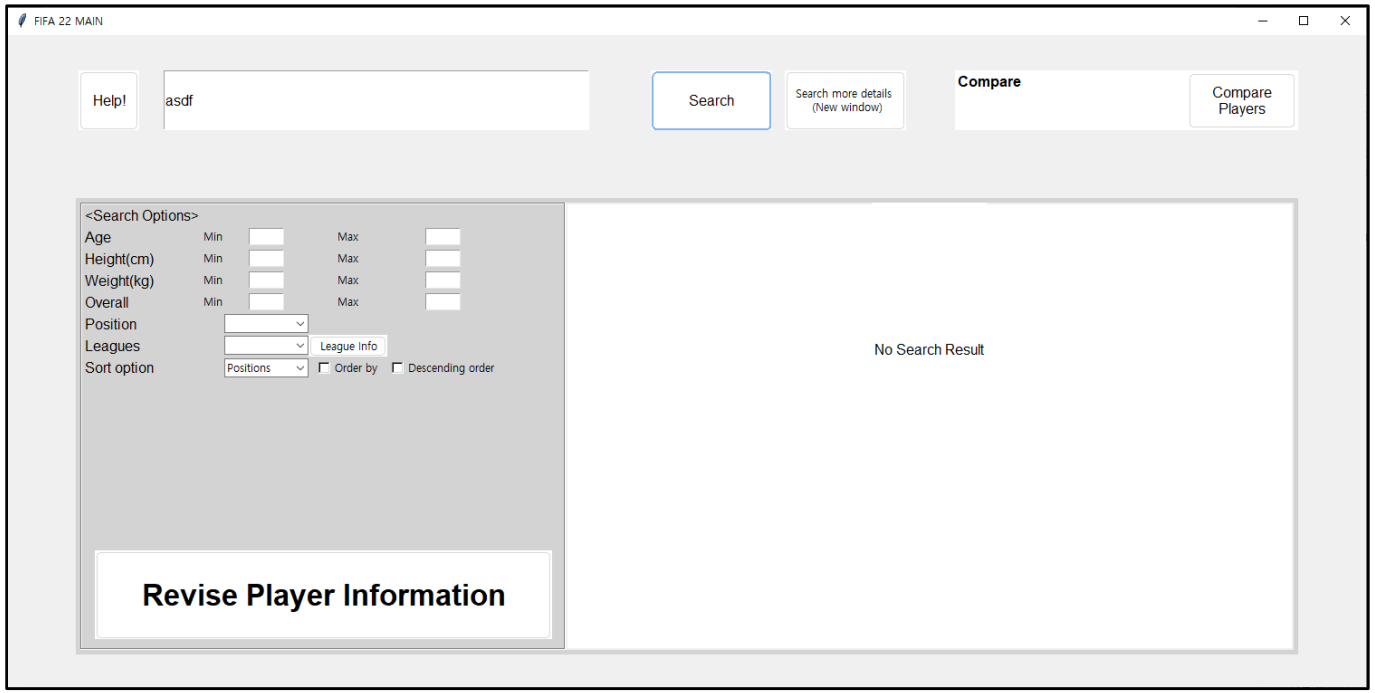

## < Simple Search >

**After number of results pop-up box, results will be on bottom right label.**

**It shows only 6 columns from database.**

**I set query limitation by using LIMIT 30, because of app's running time**

# UI Demo - Simple Search(No Results)

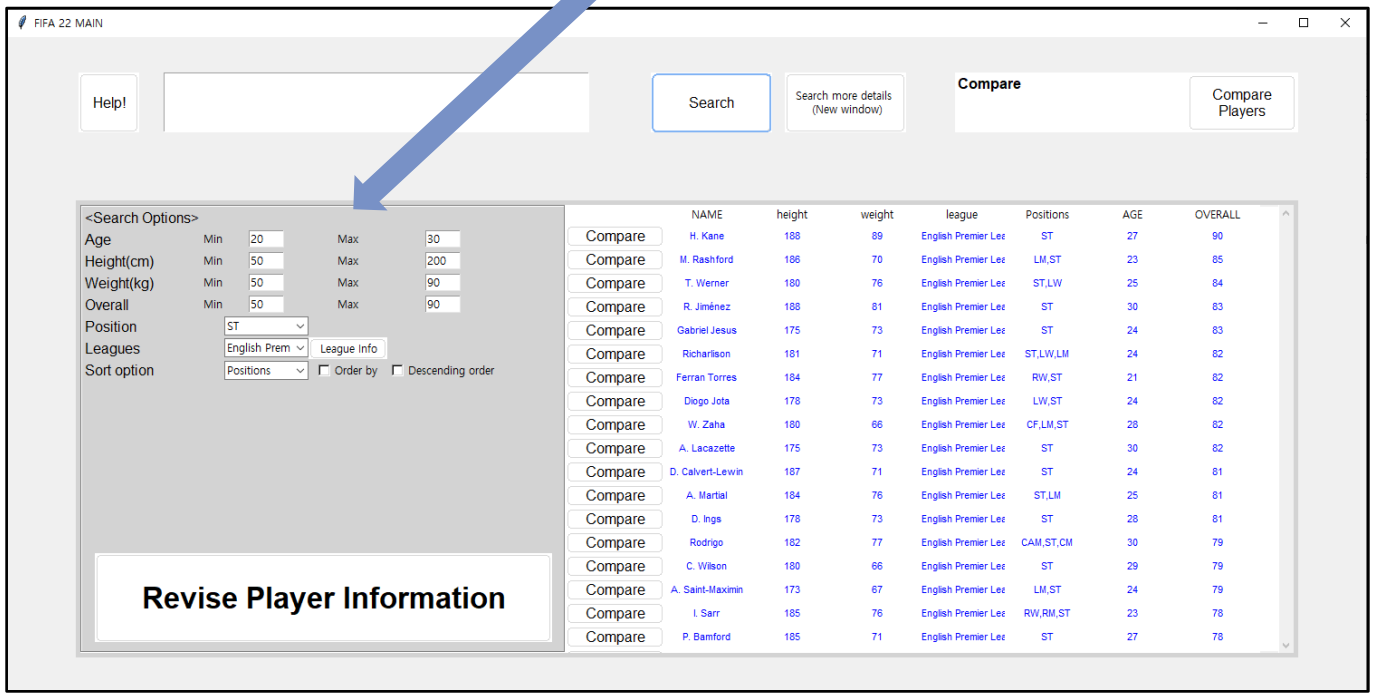



## <No results>

**You can see 'No Search Result' text when there is no value on query results.**

# UI Demo - Search Options

**Option filters**




## < Search Options>

**You can use option filters to search players data more specific.**

**There are options of columns in simple search results.**

**And you can also use sorting function by checking ‘Order by’ check box.**

# UI Demo - Search Options(Query)

## Main Query

```
query = 'SELECT p1.`NAME`, p1.`height`,p1.`weight`, t.`league`,p1.`Positions`,p1.`AGE`, stat.`OVERALL`  FROM players_info_physical p1  \
JOIN team t ON  p1.club = t.`name` JOIN players_info_stats stat ON p1.`name` = stat.`name`\
WHERE p1.`fullname` like "%{0}%" and \
p1.`age` >= {1} and  \
p1.`age` <= {2} and  \
p1.`weight` >= {3} and p1.`weight` <= {4} and \
p1.`height` >= {5}   and p1.`height` <= {6} and \
stat.`overall` >= {7} and stat.`overall` <= {8}  and   \
p1.`positions` like "%{9}%" and \
t.`league` like "%{10}%"  \
{11} {12} {13} LIMIT 30'
```

## Formatting Variables

```
query.format(
str(entry1.get()), #input value
Agemin, Agemax, #age
wmin,wmax, #weight
hmin,hmax, #height
overmin, overmax,  # overall
str(combo_p.get()), #positions
str(combo_lg.get()), #league
str(order_onoff.get()),option_get,dec_get
)
) #order by option
```

## Default Variables

```
Agemin = 0
Agemax = 100
hmax = 300
hmin = 0
wmax = 500
wmin = 0
option_get = ' '
dec_get = ' '
overmin = 0
overmax = 100
```

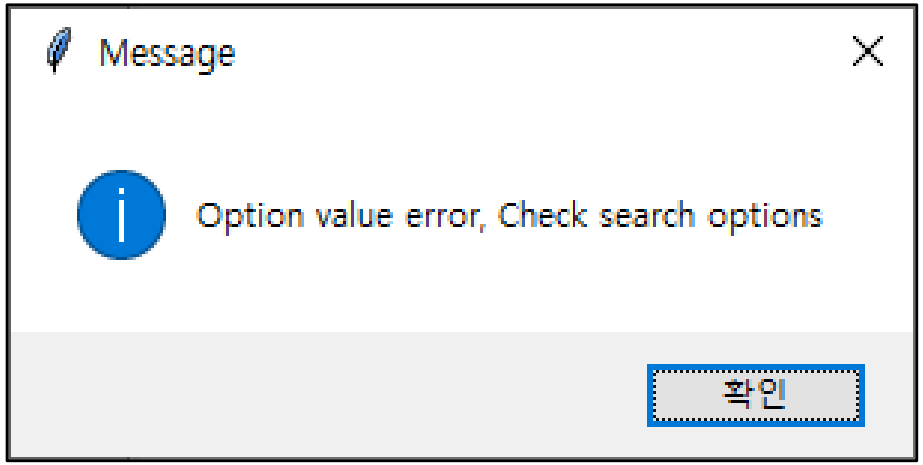
## < Search query>

**Use query variable to search data with various options.**

## < Default Variables>

**If you do not enter any filter options, query will select data with default variables.**

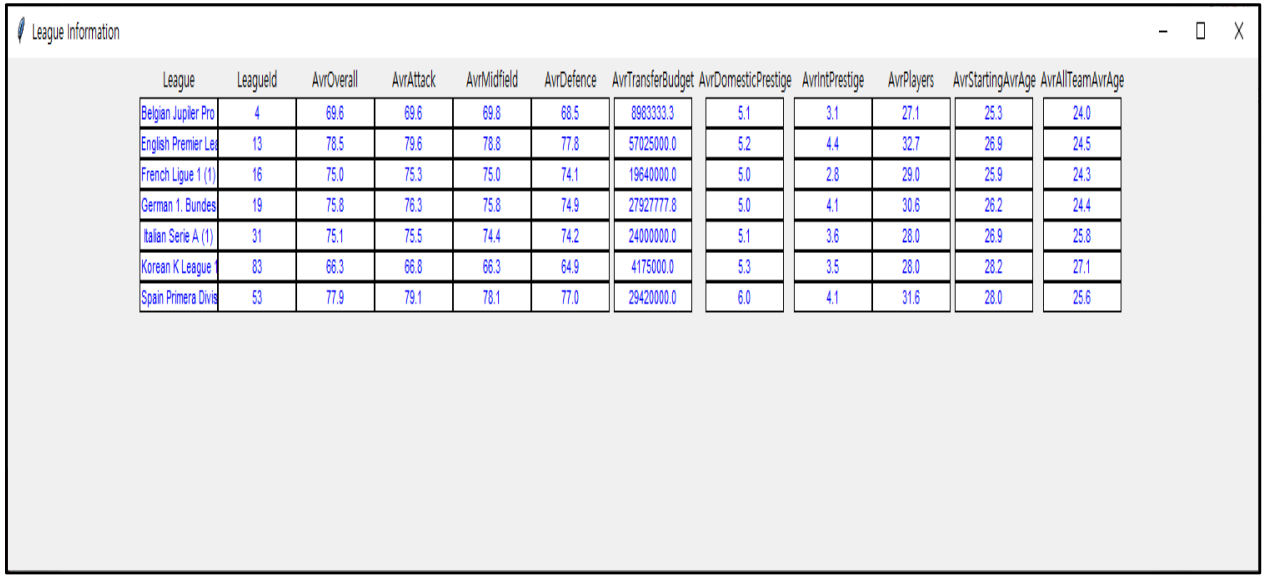
# UI Demo - Search Options (Error handling)




## < Error box>

**You can see this error box, when you type wrong value in option entry box.**

# UI Demo - Search Options ( League Information )




| League | LeagueId | AvrOverall | AvrAttack | AvrMidfield | AvrDefence | AvrTransferBudget | AvrDomesticPrestige | AvrIntPrestige | AvrPlayers | AvrStartingAvrAge | AvrAllTeamAvrAge |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Belgian Jupiler Pro | 4 | 69.6 | 69.6 | 69.8 | 68.5 | 8983333.3 | 5.1 | 3.1 | 27.1 | 25.3 | 24.0 |
| English Premier Lea | 13 | 78.5 | 79.6 | 78.8 | 77.8 | 57025000.0 | 5.2 | 4.4 | 32.7 | 26.9 | 24.5 |
| French Ligue 1 (1) | 16 | 75.0 | 75.3 | 75.0 | 74.1 | 19640000.0 | 5.0 | 2.8 | 29.0 | 25.9 | 24.3 |
| German 1. Bundes | 19 | 75.8 | 76.3 | 75.8 | 74.9 | 27927777.8 | 5.0 | 4.1 | 30.6 | 26.2 | 24.4 |
| Italian Serie A (1) | 31 | 75.1 | 75.5 | 74.4 | 74.2 | 24000000.0 | 5.1 | 3.6 | 28.0 | 26.9 | 25.8 |
| Korean K League 1 | 83 | 66.3 | 66.8 | 66.3 | 64.9 | 4175000.0 | 5.3 | 3.5 | 28.0 | 28.2 | 27.1 |
| Spain Primera Divis | 53 | 77.9 | 79.1 | 78.1 | 77.0 | 29420000.0 | 6.0 | 4.1 | 31.6 | 28.0 | 25.6 |

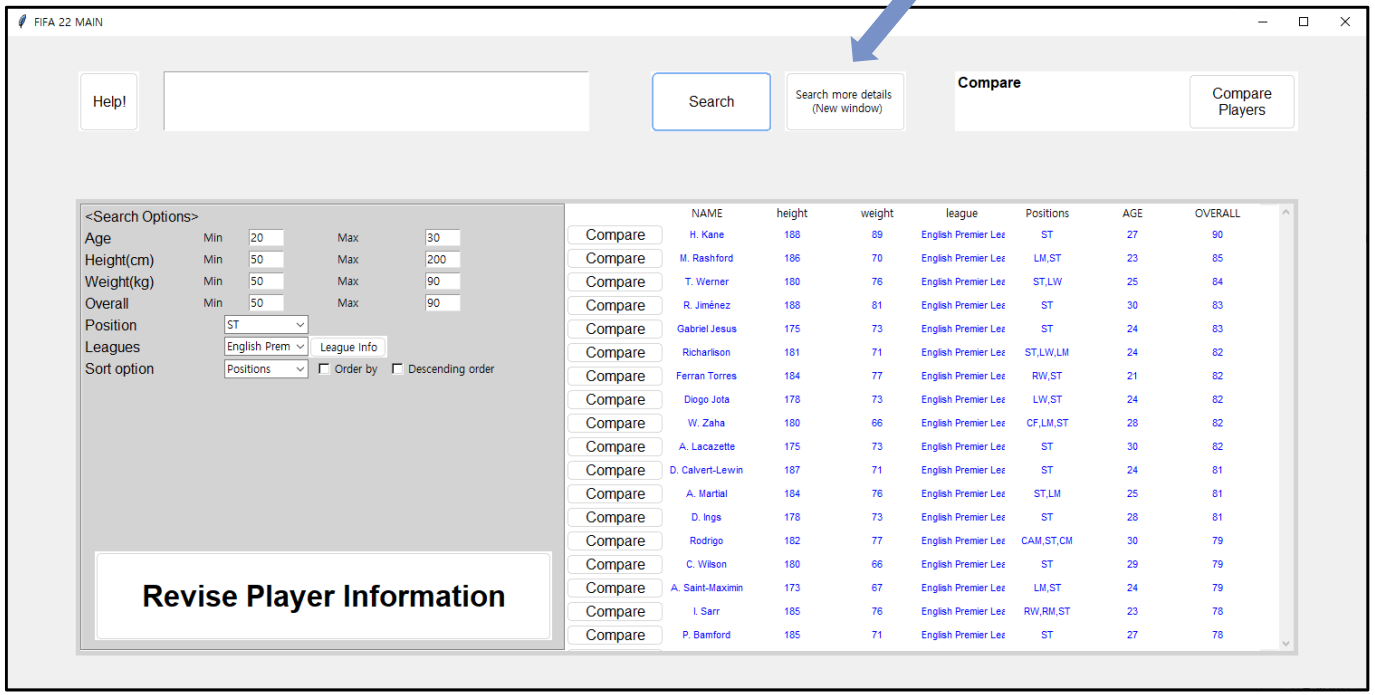
## < League Information>

**There is a League info button on left side of Leagues option and you can see new window when you click that.**

**This window is for who doesn't know anything about league information.**

# UI Demo - Search more details

Search more details




## < Search more details>

**There is more information in database. If you want to know those info, you have to click 'Search more details' button.**

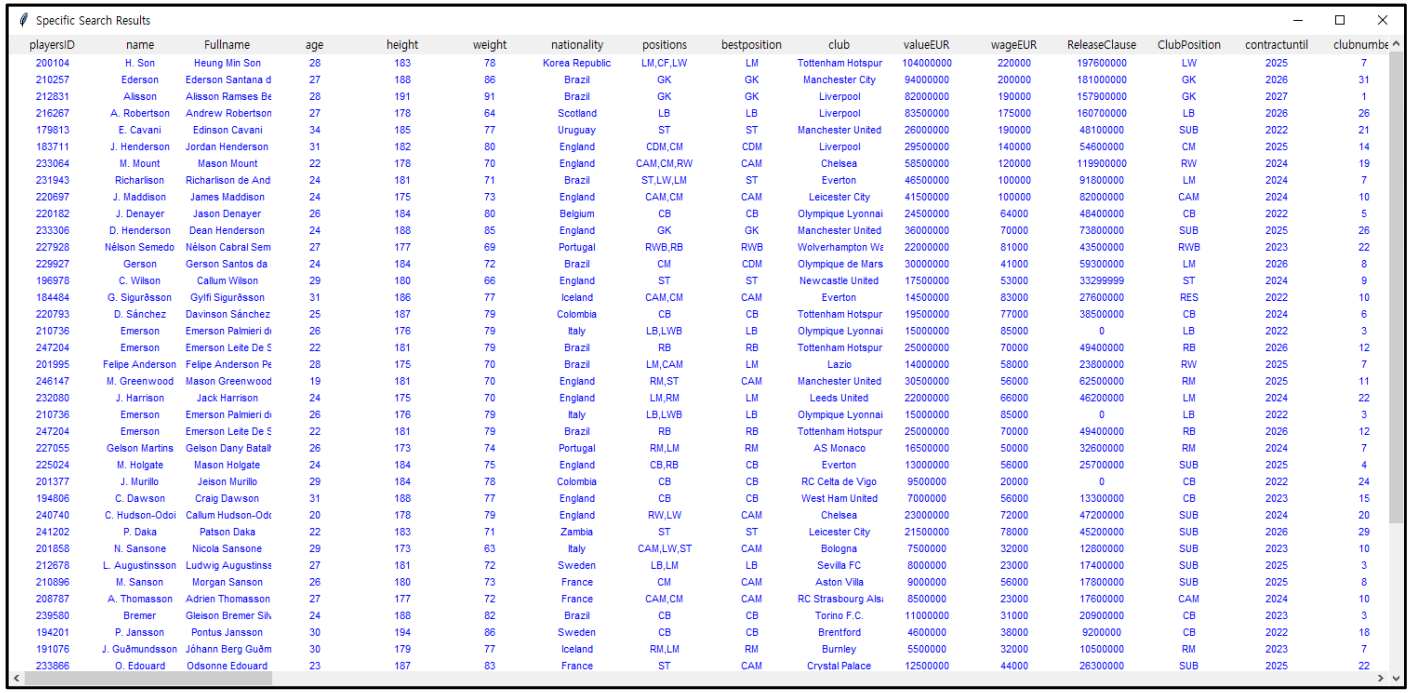
# UI Demo - Search more details(Query)

```
query2='SELECT p1.*, stat.*  FROM players_info_physical p1  \
JOIN team t ON  p1.club = t.`name` JOIN players_info_stats stat ON p1.`name` = stat.`name`\
WHERE p1.`fullname` like "%{0}%" and \
p1.`age` >= {1} and  \
p1.`age` <= {2} and  \
p1.`weight` >= {3} and p1.`weight` <= {4} and \
p1.`height` >= {5}   and p1.`height` <= {6} and \
stat.`overall` >= {7} and stat.`overall` <= {8}  and   \
p1.`positions` like "%{9}%" and \
t.`league` like "%{10}%"  \
{11} {12} {13} LIMIT 50'
```

## < Search more details>

**Everything is same as the first query which is for simple search and search option, but search range is only difference.**

# UI Demo - Search more details



Specific Search Results

| playersID | name | Fullname | age | height | weight | nationality | positions | bestposition | club | valueEUR | wageEUR | ReleaseClause | ClubPosition | contractuntil | clubnumbe |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200104 | H. Son | Heung Min Son | 28 | 183 | 78 | Korea Republic | LM,CF,LW | LM | Tottenham Hotspur | 104000000 | 220000 | 197600000 | LW | 2025 | 7 |
| 210257 | Ederson | Ederson Santana d | 27 | 188 | 86 | Brazil | GK | GK | Manchester City | 94000000 | 200000 | 181000000 | GK | 2026 | 31 |
| 212831 | Alisson | Alisson Ramses Be | 28 | 191 | 91 | Brazil | GK | GK | Liverpool | 82000000 | 190000 | 157900000 | GK | 2027 | 1 |
| 216267 | A. Robertson | Andrew Robertson | 27 | 178 | 64 | Scotland | LB | LB | Liverpool | 83500000 | 175000 | 160700000 | LB | 2026 | 26 |
| 179813 | E. Cavani | Edinson Cavani | 34 | 185 | 77 | Uruguay | ST | ST | Manchester United | 26000000 | 190000 | 48100000 | SUB | 2022 | 21 |
| 183711 | J. Henderson | Jordan Henderson | 31 | 182 | 80 | England | CDM,CM | CDM | Liverpool | 29500000 | 140000 | 54600000 | CM | 2025 | 14 |
| 233064 | M. Mount | Mason Mount | 22 | 178 | 70 | England | CAM,CM,RW | CAM | Chelsea | 58500000 | 120000 | 119900000 | RW | 2024 | 19 |
| 231943 | Richarlison | Richarlison de And | 24 | 181 | 71 | Brazil | ST,LW,LM | ST | Everton | 46500000 | 100000 | 91800000 | LM | 2024 | 7 |
| 220697 | J. Maddison | James Maddison | 24 | 175 | 73 | England | CAM,CM | CAM | Leicester City | 41500000 | 100000 | 82000000 | CAM | 2024 | 10 |
| 220182 | J. Denayer | Jason Denayer | 26 | 184 | 80 | Belgium | CB | CB | Olympique Lyonnai | 24500000 | 64000 | 48400000 | CB | 2022 | 5 |
| 233306 | D. Henderson | Dean Henderson | 24 | 188 | 85 | England | GK | GK | Manchester United | 36000000 | 70000 | 73800000 | SUB | 2025 | 26 |
| 227928 | Nélson Semedo | Nélson Cabral Sem | 27 | 177 | 69 | Portugal | RWB,RB | RWB | Wolverhampton Wa | 22000000 | 81000 | 43500000 | RWB | 2023 | 22 |
| 229927 | Gerson | Gerson Santos da | 24 | 184 | 72 | Brazil | CM | CDM | Olympique de Mars | 30000000 | 41000 | 59300000 | LM | 2026 | 8 |
| 196978 | C. Wilson | Callum Wilson | 29 | 180 | 66 | England | ST | ST | Newcastle United | 17500000 | 53000 | 33299999 | ST | 2024 | 9 |
| 184484 | G. Sigurðsson | Gylfi Sigurðsson | 31 | 186 | 77 | Iceland | CAM,CM | CAM | Everton | 14500000 | 83000 | 27600000 | RES | 2022 | 10 |
| 220793 | D. Sánchez | Davinson Sánchez | 25 | 187 | 79 | Colombia | CB | CB | Tottenham Hotspur | 19500000 | 77000 | 38500000 | CB | 2024 | 6 |
| 210736 | Emerson | Emerson Palmieri d | 26 | 176 | 79 | Italy | LB,LWB | LB | Olympique Lyonnai | 15000000 | 85000 | 0 | LB | 2022 | 3 |
| 247204 | Emerson | Emerson Leite De S | 22 | 181 | 79 | Brazil | RB | RB | Tottenham Hotspur | 25000000 | 70000 | 49400000 | RB | 2026 | 12 |
| 201995 | Felipe Anderson | Felipe Anderson Pe | 28 | 175 | 70 | Brazil | LM,CAM | LM | Lazio | 14000000 | 58000 | 23800000 | RW | 2025 | 7 |
| 246147 | M. Greenwood | Mason Greenwood | 19 | 181 | 70 | England | RM,ST | CAM | Manchester United | 30500000 | 56000 | 62500000 | RM | 2025 | 11 |
| 232080 | J. Harrison | Jack Harrison | 24 | 175 | 70 | England | LM,RM | LM | Leeds United | 22000000 | 66000 | 46200000 | LM | 2024 | 22 |
| 210736 | Emerson | Emerson Palmieri d | 26 | 176 | 79 | Italy | LB,LWB | LB | Olympique Lyonnai | 15000000 | 85000 | 0 | LB | 2022 | 3 |
| 247204 | Emerson | Emerson Leite De S | 22 | 181 | 79 | Brazil | RB | RB | Tottenham Hotspur | 25000000 | 70000 | 49400000 | RB | 2026 | 12 |
| 227055 | Gelson Martins | Gelson Dany Batall | 26 | 173 | 74 | Portugal | RM,LM | RM | AS Monaco | 16500000 | 50000 | 32600000 | RM | 2024 | 7 |
| 225024 | M. Holgate | Mason Holgate | 24 | 184 | 75 | England | CB,RB | CB | Everton | 13000000 | 56000 | 25700000 | SUB | 2025 | 4 |
| 201377 | J. Murillo | Jeison Murillo | 29 | 184 | 78 | Colombia | CB | CB | RC Celta de Vigo | 9500000 | 20000 | 0 | CB | 2022 | 24 |
| 194806 | C. Dawson | Craig Dawson | 31 | 188 | 77 | England | CB | CB | West Ham United | 7000000 | 56000 | 13300000 | CB | 2023 | 15 |
| 240740 | C. Hudson-Odoi | Callum Hudson-Odo | 20 | 178 | 79 | England | RW,LW | CAM | Chelsea | 23000000 | 72000 | 47200000 | SUB | 2024 | 20 |
| 241202 | P. Daka | Patson Daka | 22 | 183 | 71 | Zambia | ST | ST | Leicester City | 21500000 | 78000 | 45200000 | SUB | 2026 | 29 |
| 201858 | N. Sansone | Nicola Sansone | 29 | 173 | 63 | Italy | CAM,LW,ST | CAM | Bologna | 7500000 | 32000 | 12800000 | SUB | 2023 | 10 |
| 212678 | L. Augustinsson | Ludwig Augustinss | 27 | 181 | 72 | Sweden | LB,LM | LB | Sevilla FC | 8000000 | 23000 | 17400000 | SUB | 2025 | 3 |
| 210896 | M. Sanson | Morgan Sanson | 26 | 180 | 73 | France | CM | CAM | Aston Villa | 9000000 | 56000 | 17800000 | SUB | 2025 | 8 |
| 208787 | A. Thomasson | Adrien Thomasson | 27 | 177 | 72 | France | CAM,CM | CAM | RC Strasbourg Alsa | 8500000 | 23000 | 17600000 | CAM | 2024 | 10 |
| 239580 | Bremer | Gleison Bremer Sil | 24 | 188 | 82 | Brazil | CB | CB | Torino F.C. | 11000000 | 31000 | 20900000 | CB | 2023 | 3 |
| 194201 | P. Jansson | Pontus Jansson | 30 | 194 | 86 | Sweden | CB | CB | Brentford | 4600000 | 38000 | 9200000 | CB | 2022 | 18 |
| 191076 | J. Guðmundsson | Jóhann Berg Guðm | 30 | 179 | 77 | Iceland | RM,LM | RM | Burnley | 5500000 | 32000 | 10500000 | RM | 2023 | 7 |
| 233866 | O. Edouard | Odsonne Edouard | 23 | 187 | 83 | France | ST | CAM | Crystal Palace | 12500000 | 44000 | 26300000 | SUB | 2025 | 22 |

## < Search more details>

**This new window shows you every information about players you searched.**

# UI Demo - Challenges from search functions

## < Challenges>

**Making queries stable with many variables was the most difficult part on Searching function. Because I have to make searching function running well with 'no option entry value' case. Especially making sort function was the most challenging part. I wanted to make user to choose to use sort option or not. Order by query without column name make MYSQL syntax error. To solve it I used check box to put order by or not. And used 'if' to apply other values.**

**Code in this slide means if there is no value from order_onoff, clear order by column value(option_get) and descending order value(dec_get).**

```
#ORDER BY check 여부에 따른 if문
if str(order_onoff.get()) == ' ':
    option_get = ' '
    dec_get = ' '
else:
    option_get = str(optioncombo.get())
    dec_get = str(descasc.get())
```

# UI Demo - Challenges from search functions

```
#ORDERBY - onoff
order_onoff = StringVar()
onoff = Checkbutton(label_left, text="Order by", variable=order_onoff, onvalue="ORDER BY",
offvalue=" ")
onoff.deselect()
onoff.config(bg="light grey")
onoff.grid(row=7, column=3)
onoff_get= str(order_onoff.get())
```

**< Order by on/off variable>**

**I have to check 'check box' to get "ORDER BY' string value, and this will go into query sentence**

```
#ORDERBY - desc
descasc = StringVar()
dec = Checkbutton(label_left, text="Descending order", variable=descasc, onvalue="Desc",
offvalue="Asc")
dec.deselect()
dec.config(bg="light grey")
dec.grid(row=7, column=4)
dec_get = str(descasc.get())
```

**< Order by desc/asc variable>**

**User can choose order standard by check box with this variables. This variable will be empty when on/off value is empty(If condition is on previous slide.)**

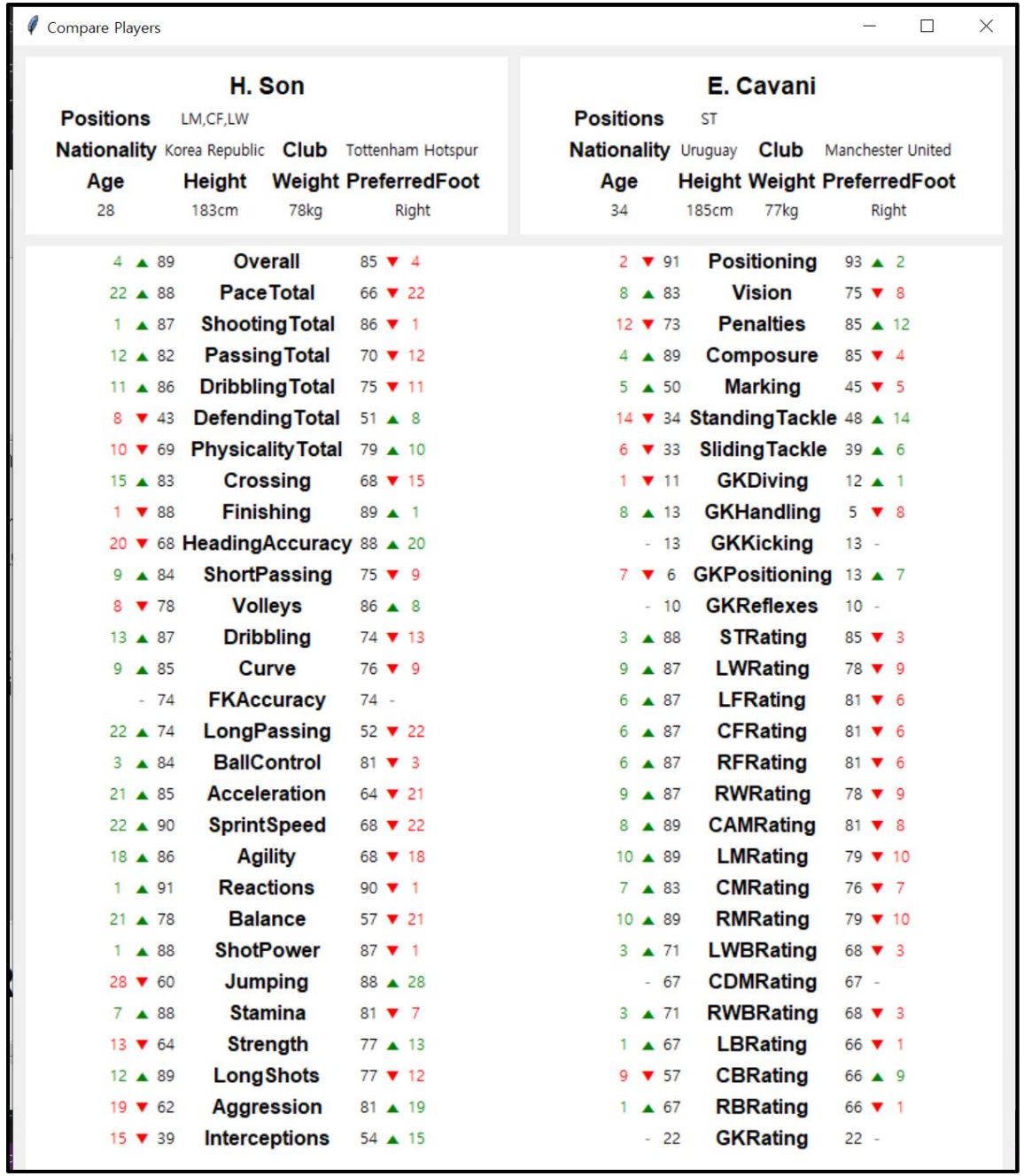
```
l_option = Label(label_left, text="Sort option", font=12, bg="light grey")
l_option.grid(row=7, column=0, sticky=W)

columnlist= ["Positions","AGE", "Height", "Weight","stat.Overall"]
optioncombo = ttk.Combobox(label_left, values=columnlist)
optioncombo.set(columnlist[0])
optioncombo.config(width=10)
optioncombo.grid(row=7,column=2)
```

**< Order by column variable>**

**User can choose column to sort with combo box. If you want to add more standard, just put columns name in columnlist.**

**This variable also will be empty when on/off value is empty.**

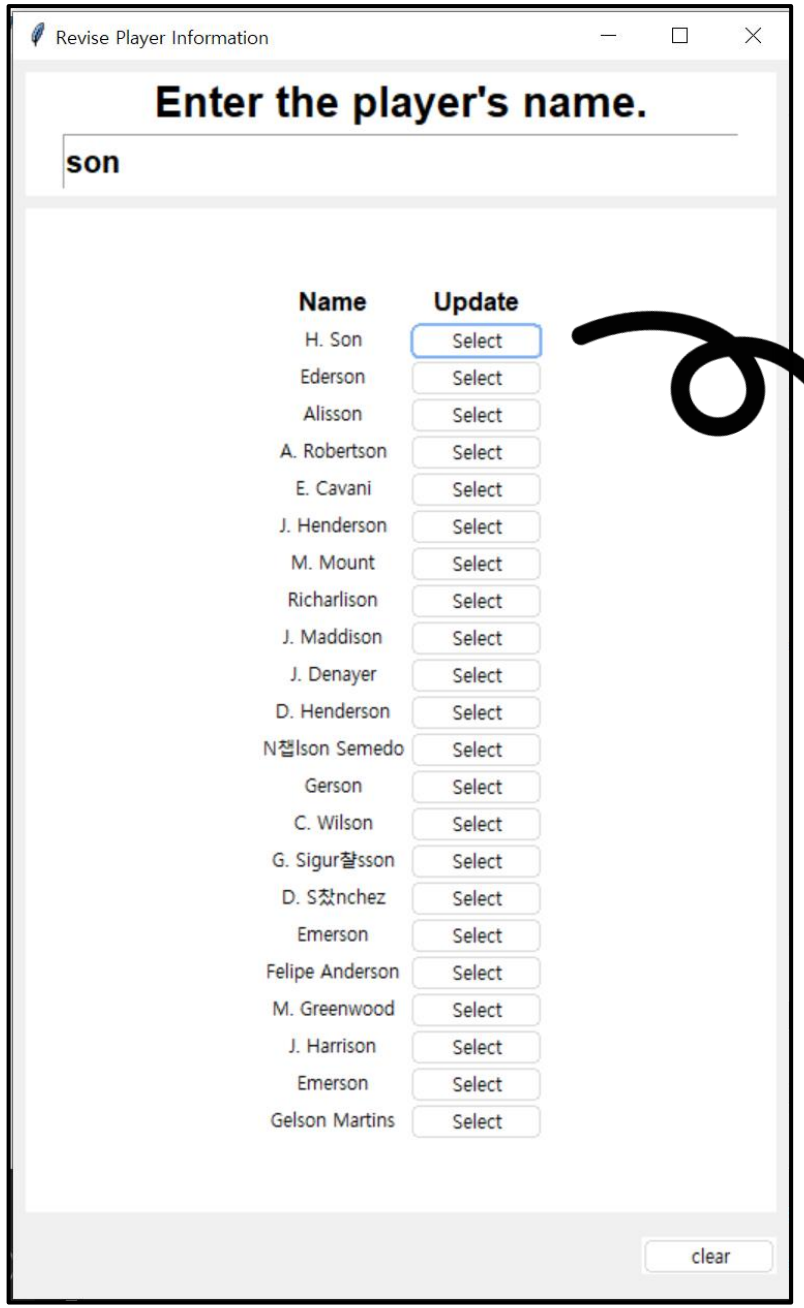
# UI Demo
# 2) Compare Function

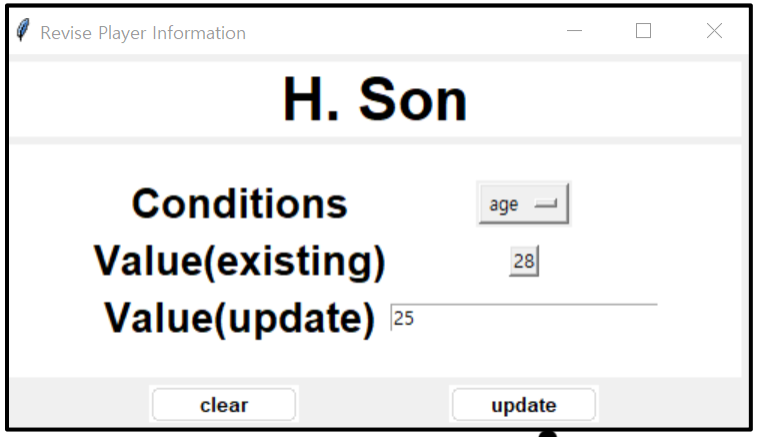


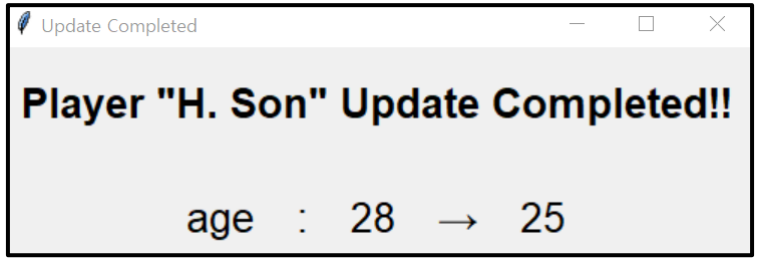

| H. Son | | E. Cavani | |
|---|---|---|---|
| Positions | LM,CF,LW | Positions | ST |
| Nationality | Korea Republic | Nationality | Uruguay |
| Club | Tottenham Hotspur | Club | Manchester United |
| Age | 28 | Age | 34 |
| Height | 183cm | Height | 185cm |
| Weight | 78kg | Weight | 77kg |
| PreferredFoot | Right | PreferredFoot | Right |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4 | ▲ | 89 | Overall | 85 | ▼ | 4 | 2 | ▼ | 91 | Positioning | 93 | ▲ | 2 |
| 22 | ▲ | 88 | PaceTotal | 66 | ▼ | 22 | 8 | ▲ | 83 | Vision | 75 | ▼ | 8 |
| 1 | ▲ | 87 | ShootingTotal | 86 | ▼ | 1 | 12 | ▼ | 73 | Penalties | 85 | ▲ | 12 |
| 12 | ▲ | 82 | PassingTotal | 70 | ▼ | 12 | 4 | ▲ | 89 | Composure | 85 | ▼ | 4 |
| 11 | ▲ | 86 | DribblingTotal | 75 | ▼ | 11 | 5 | ▲ | 50 | Marking | 45 | ▼ | 5 |
| 8 | ▼ | 43 | DefendingTotal | 51 | ▲ | 8 | 14 | ▼ | 34 | StandingTackle | 48 | ▲ | 14 |
| 10 | ▼ | 69 | PhysicalityTotal | 79 | ▲ | 10 | 6 | ▼ | 33 | SlidingTackle | 39 | ▲ | 6 |
| 15 | ▲ | 83 | Crossing | 68 | ▼ | 15 | 1 | ▼ | 11 | GKDiving | 12 | ▲ | 1 |
| 1 | ▼ | 88 | Finishing | 89 | ▲ | 1 | 8 | ▲ | 13 | GKHandling | 5 | ▼ | 8 |
| 20 | ▼ | 68 | HeadingAccuracy | 88 | ▲ | 20 | - | | 13 | GKKicking | 13 | | - |
| 9 | ▲ | 84 | ShortPassing | 75 | ▼ | 9 | 7 | ▼ | 6 | GKPositioning | 13 | ▲ | 7 |
| 8 | ▼ | 78 | Volleys | 86 | ▲ | 8 | - | | 10 | GKReflexes | 10 | | - |
| 13 | ▲ | 87 | Dribbling | 74 | ▼ | 13 | 3 | ▲ | 88 | STRating | 85 | ▼ | 3 |
| 9 | ▲ | 85 | Curve | 76 | ▼ | 9 | 9 | ▲ | 87 | LWRating | 78 | ▼ | 9 |
| - | | 74 | FKAccuracy | 74 | | - | 6 | ▲ | 87 | LFRating | 81 | ▼ | 6 |
| 22 | ▲ | 74 | LongPassing | 52 | ▼ | 22 | 6 | ▲ | 87 | CFRating | 81 | ▼ | 6 |
| 3 | ▲ | 84 | BallControl | 81 | ▼ | 3 | 6 | ▲ | 87 | RFRating | 81 | ▼ | 6 |
| 21 | ▲ | 85 | Acceleration | 64 | ▼ | 21 | 9 | ▲ | 87 | RWRating | 78 | ▼ | 9 |
| 22 | ▲ | 90 | SprintSpeed | 68 | ▼ | 22 | 8 | ▲ | 89 | CAMRating | 81 | ▼ | 8 |
| 18 | ▲ | 86 | Agility | 68 | ▼ | 18 | 10 | ▲ | 89 | LMRating | 79 | ▼ | 10 |
| 1 | ▲ | 91 | Reactions | 90 | ▼ | 1 | 7 | ▲ | 83 | CMRating | 76 | ▼ | 7 |
| 21 | ▲ | 78 | Balance | 57 | ▼ | 21 | 10 | ▲ | 89 | RMRating | 79 | ▼ | 10 |
| 1 | ▲ | 88 | ShotPower | 87 | ▼ | 1 | 3 | ▲ | 71 | LWBRating | 68 | ▼ | 3 |
| 28 | ▼ | 60 | Jumping | 88 | ▲ | 28 | - | | 67 | CDMRating | 67 | | - |
| 7 | ▲ | 88 | Stamina | 81 | ▼ | 7 | 3 | ▲ | 71 | RWBRating | 68 | ▼ | 3 |
| 13 | ▼ | 64 | Strength | 77 | ▲ | 13 | 1 | ▲ | 67 | LBRating | 66 | ▼ | 1 |
| 12 | ▲ | 89 | LongShots | 77 | ▼ | 12 | 9 | ▼ | 57 | CBRating | 66 | ▲ | 9 |
| 19 | ▼ | 62 | Aggression | 81 | ▲ | 19 | 1 | ▲ | 67 | RBRating | 66 | ▼ | 1 |
| 15 | ▼ | 39 | Interceptions | 54 | ▲ | 15 | - | | 22 | GKRating | 22 | | - |

# UI Demo
# 3) Revise Function



Q&A

THANK YOU :)