

SEARCH ENGINE

Group-I2

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PROBLEM STATEMENT

- Improvised on a previously existing static database which stores the information of all the different versions of football players in an online game (FIFA Mobile). This already existing static database does not show the user all the parameters at once, hence to compare between the statistics of players is almost impossible. Implement the storage of different accounts of different users making the database comparatively more secure and personalized too. Implement a better way of visualizing and comparing the differences between different versions of players. Include and view personalized and detailed information of each player in the database.
- Languages to be used: JAVA and SQL.

LAYOUT & FEATURES

HOME PAGE

Professionally
Designed Logo
with an Insightful
title for this search
engine

This button directs
you to the Sign-Up
page.



This button directs
you to the Log-In
page.

SIGN-UP PAGE

Back button directs you back to the previous page

Sign Up

[BACK](#)

SIGN UP

USERNAME

NAME

EMAIL ID

PASSWORD

RE PASSWORD

CHAMPIONS LEAGUE

Accepting and storing data entered by the user into the database.

Submitting appropriate credentials creates a new account

Post to account creation the user is directed to the login page.

Sign Up

BACK

SIGN UP

USERNAME

NRX07

NAME

John Stone

EMAIL ID


example@gmail.com

PASSWORD

...

RE PASSWORD


...

CHAMPIONS
LEAGUE

SUBMIT

USERNAME NOT AVAILABLE

In this case, NRX07 is a username already taken by some other user, hence the user gets an alert that the username is not available.



[BACK](#)

SIGN UP

USERNAME

NAME

EMAIL ID

PASSWORD

RE PASSWORD



PASSWORDS DO NOT MATCH

In this case, your password and re-password column don't match, hence the user gets an alert that passwords don't match and the columns will be set empty.



LOGIN PAGE

Login

BACK

LOGIN

USERNAME

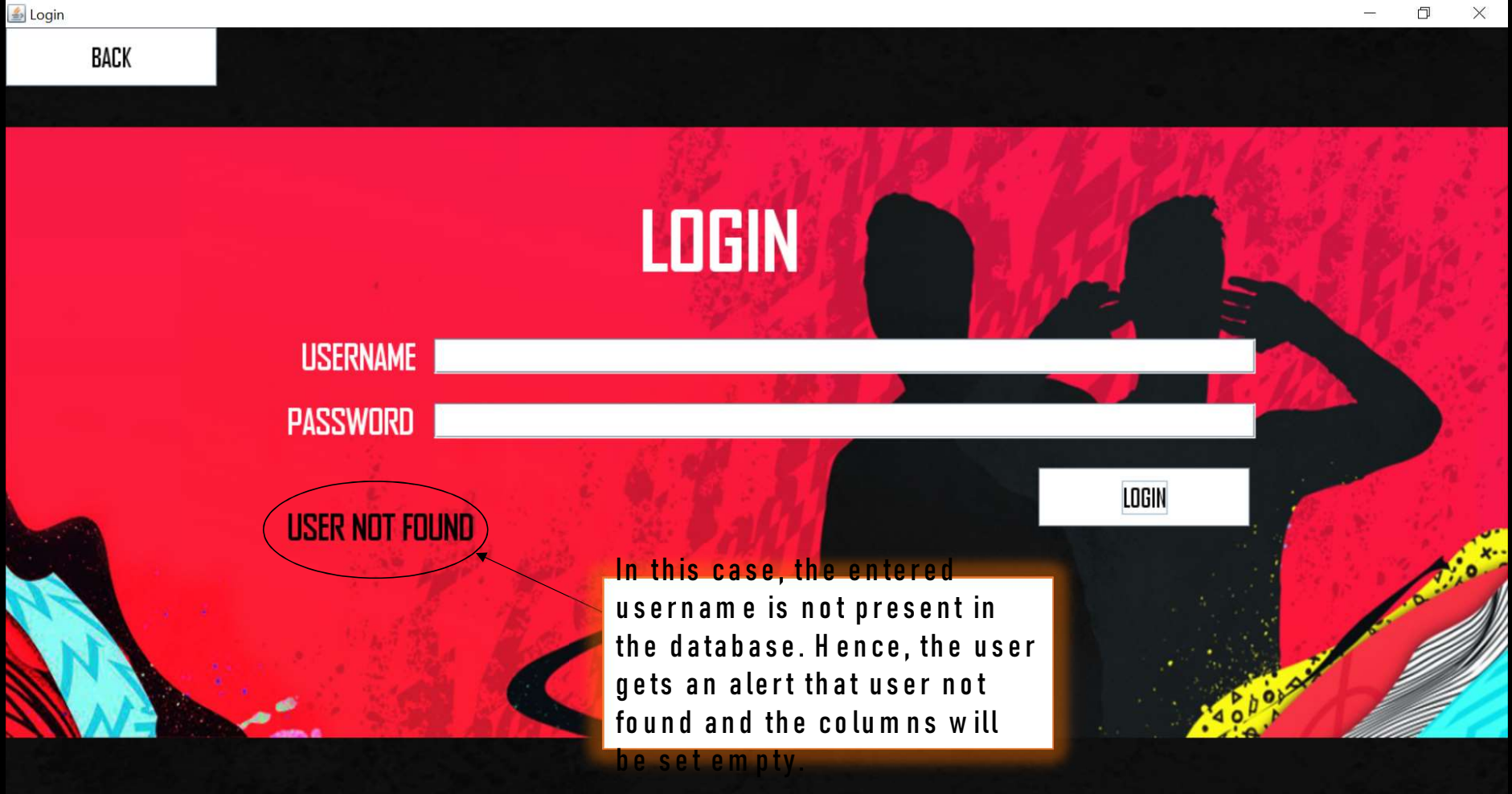
PASSWORD

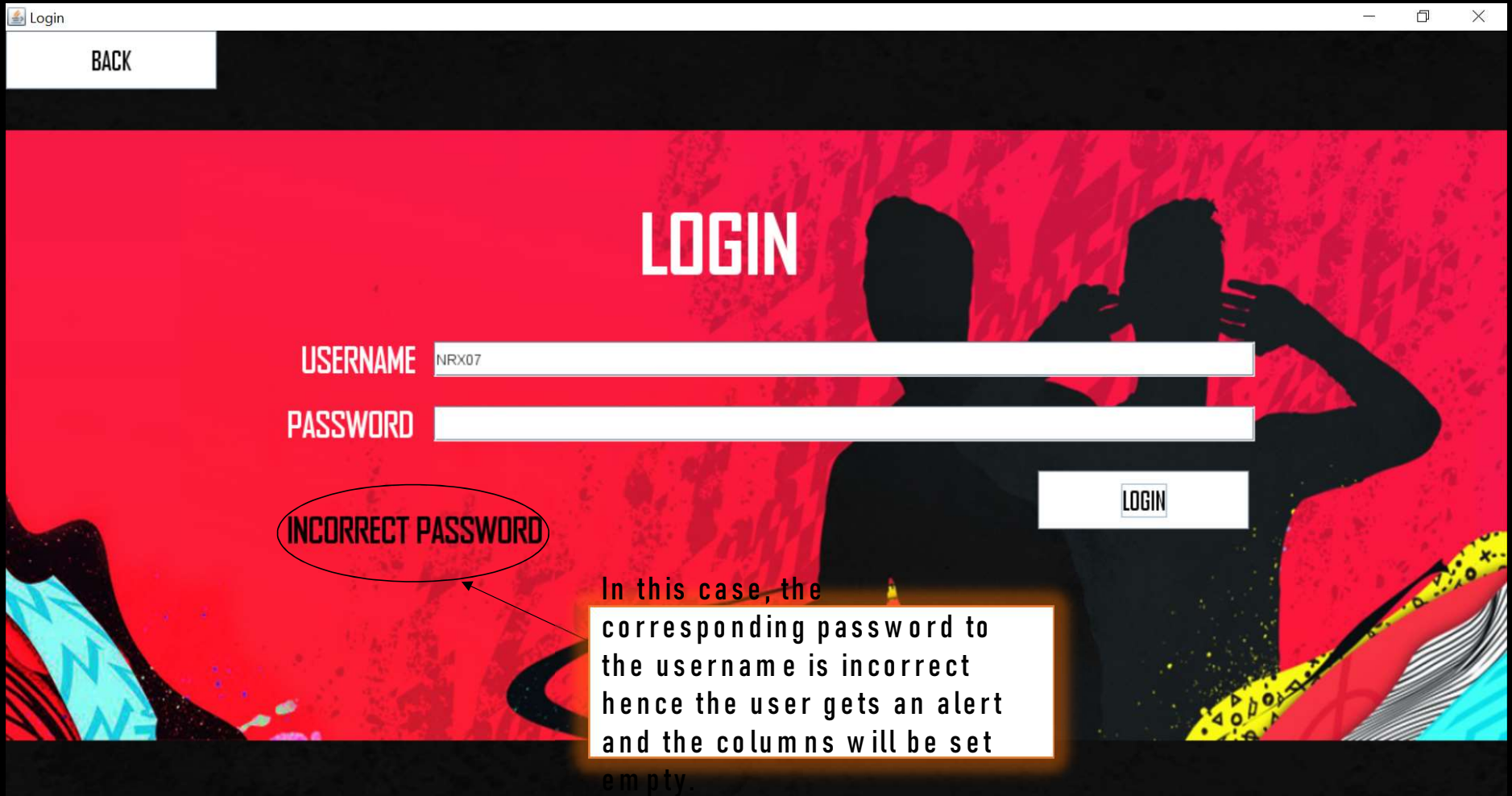
LOGIN

Accepting checking username and password entered by the user which have to be similar to the relevant data of database.

Login button directs user to the Search Page.

Users get directed to the Search Page and Admins get directed to the WSS [Web Scrapping System].





WSS (Web Scrapping System)

Storing the number of pages entered by the user (Default being

Enter the number of pages

500

Continue button allows the admin to directly traverse to the Search Page.

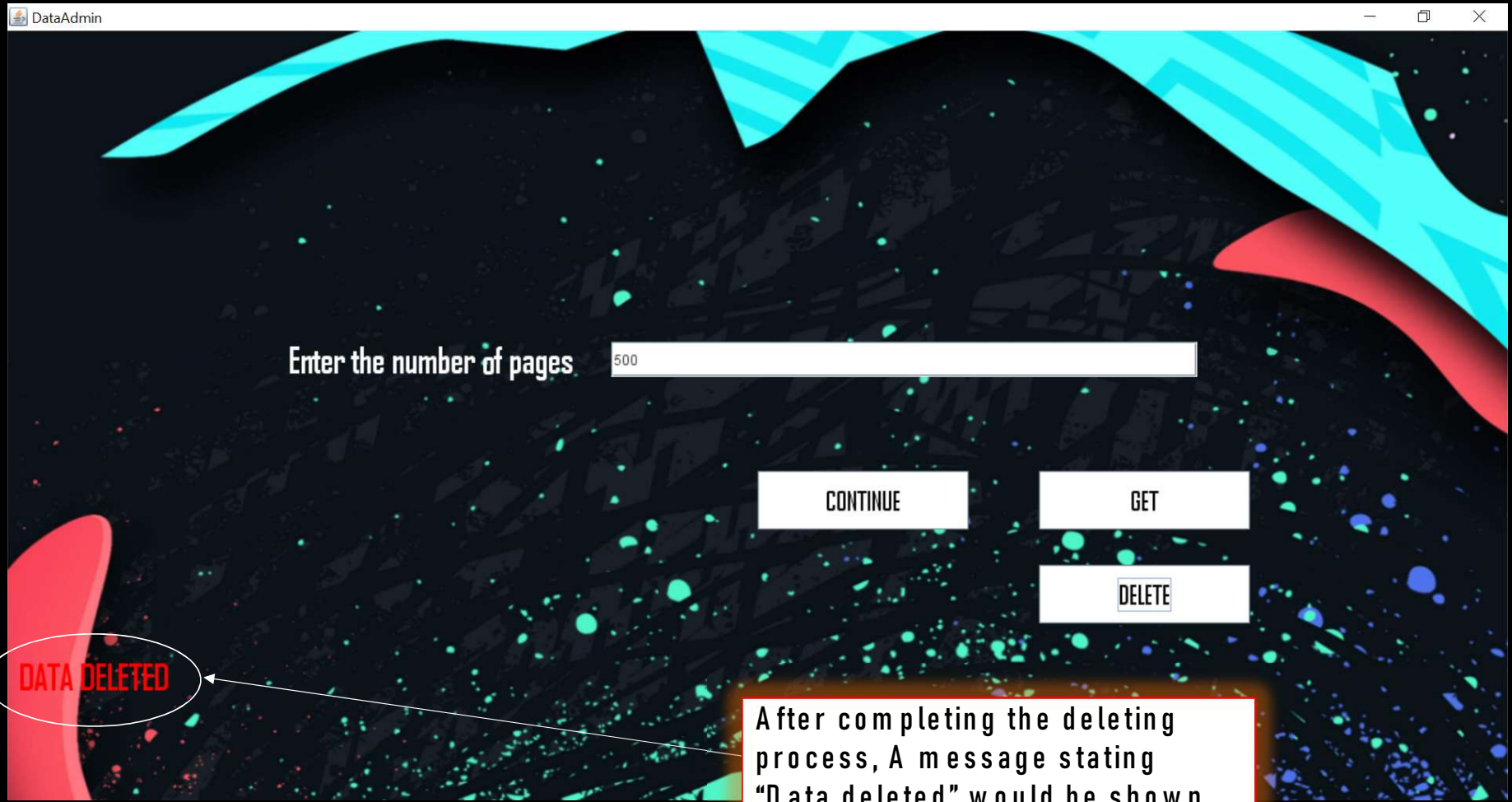
CONTINUE

Get button scraps the data from the amount of pages entered by the Admin and deletes all the previously

GET

DELETE

Delete button deletes all the previously existing



SQL Console

```
mysql> select * from minii.players;  
Empty set (0.00 sec)
```

```
mysql>
```

Here “minii” database has been used to store web scrapped data. Previously existing data in the database from table “players” gets deleted.

Enter the number of pages

CONTINUE

GET

DELETE

DATA UPDATED

After completing the updating process, A message stating "Data Updated" would be shown.

SQL Console

hash_	rating	position	name	club	league	country	skillboost
0	110	ST	Suárez	Atlético de Madrid	Spain Primera División	Uruguay	ATTACKING
1	110	ST	Werner	Chelsea	England Premier League	Germany	SECONDSTRIKER
2	110	RW	Rodríguez	Everton	England Premier League	Colombia	ATTACKING
3	110	ST	Morata	Piemonte Calcio	Italy Serie A	Spain	ATTACKING
4	110	ST	Osimhen	Napoli	Italy Serie A	Nigeria	LONGSHOTS
5	110	LW	Diogo Jota	Liverpool	England Premier League	Portugal	SECONDSTRIKER
6	110	ST	Schick	Bayer 04 Leverkusen	Germany 1. Bundesliga	Czech Republic	DRIBBLING
7	110	ST	David	LOSC Lille	France Ligue 1	Canada	LONGSHOTS
8	110	ST	Sørloth	RB Leipzig	Germany 1. Bundesliga	Norway	SHOTPOWER
9	110	ST	F. Trincão	FC Barcelona	Spain Primera División	Portugal	LONGSHOTS
10	110	ST	Rodrigo	Leeds United	England Championship	Spain	SECONDSTRIKER
11	110	CAM	David Silva	Real Sociedad	Spain Primera División	Spain	SHOOTING
12	110	CM	Parejo	Villarreal CF	Spain Primera División	Spain	CAPTAIN
13	110	LM	Sané	Bayern München	Germany 1. Bundesliga	Germany	ATTACKING
14	110	CM	Rakitić	Sevilla FC	Spain Primera División	Croatia	CAPTAIN
15	110	CDM	Allan	Everton	England Premier League	Brazil	DEFENDING
16	110	CAM	Havertz	Chelsea	England Premier League	Germany	SECONDSTRIKER
17	110	CM	Arthur	Piemonte Calcio	Italy Serie A	Brazil	CAPTAIN
18	110	CAM	Banega	Al Shabab	Saudi Pro League	Argentina	LONGSHOTS
19	110	RM	Meunier	Borussia Dortmund	Germany 1. Bundesliga	Belgium	SHOTPOWER
20	110	RM	Ferrán Torres	Manchester City	England Premier League	Spain	LONGSHOTS
21	110	CB	Godín	Cagliari	Italy Serie A	Uruguay	HOLDING
22	110	GK	Areola	Fulham	England Championship	France	NUMBER1
23	110	CB	Gabriel	Arsenal	England Premier League	Brazil	MARKING
24	110	RB	Doherty	Tottenham Hotspur	England Premier League	Republic of Ireland	MARKING
25	110	CB	Duffy	Celtic	Scotland Premiership	Republic of Ireland	MARKING

Database gets Updated after erasing the previously existing data with the data which scraped from the online website.

Search page

The screenshot shows a web browser window titled "Search". The page features a dark background with a red and yellow abstract design on the left. Three soccer players in EA Sports jerseys are shown. A red rectangular area contains the text "PLAYER'S NAME" and a search input field with the text "Vidal". To the right of the input field is a "SEARCH" button. Above the input field, a note reads: "NOTE - ENTER THE NAME OF THE PLAYER YOU WANT TO SEARCH IN FULL". In the top right corner, there is a "LOGOUT" button. Two callout boxes with arrows provide additional information: one points to the "SEARCH" button, stating "Search button will search the name from the database (Default set to", and the other points to the "LOGOUT" button, stating "Logout button will logout the user from his\her account and directs the user to the".

Search

LOGOUT

NOTE - ENTER THE NAME OF THE PLAYER YOU WANT TO SEARCH IN FULL

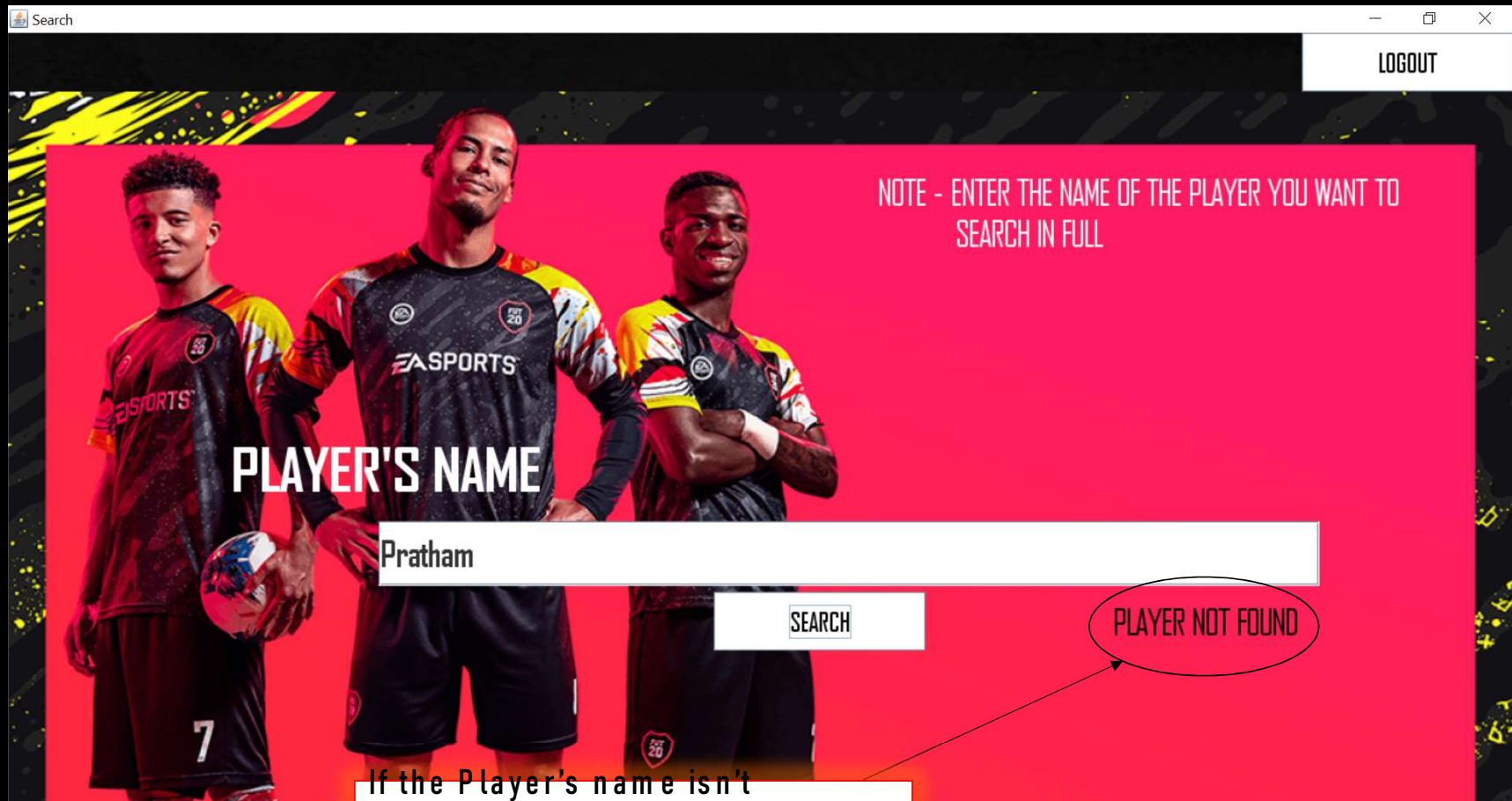
PLAYER'S NAME

Vidal

SEARCH

Search button will search the name from the database (Default set to

Logout button will logout the user from his\her account and directs the user to the



If the Player's name isn't available in the database. The user gets an alert that the player is not found

Result Page

The screenshot shows a web application window titled 'Print'. At the top, there are two buttons: 'BACK' on the left and 'LOGOUT' on the right. Below these buttons, the word 'RESULTS:' is displayed in large, bold, white capital letters. Underneath, there is a table with 8 columns: HASH, RATING, POSITION, NAME, CLUB, LEAGUE, COUNTRY, and SKILLBOOST. The table contains 5 rows of data, all for the player 'Vidal'. To the right of the table, there are four buttons: 'BOXTOBOX', 'COUNTER', 'CAPTAIN', and 'PASSING'. Each button has a red arrow pointing to it from a text box on the right. The background of the page is dark with a blue and red abstract design.

HASH	RATING	POSITION	NAME	CLUB	LEAGUE	COUNTRY	SKILLBOOST
45	108	CM	Vidal	Inter	Italy Serie A	Chile	BOXTOBOX
372	98	CAM	Vidal	FC Barcelona	Spain Primera División	Chile	COUNTER
490	96	CM	Vidal	FC Barcelona	Spain Primera División	Chile	CAPTAIN
510	96	CM	Vidal	FC Barcelona	Spain Primera División	Chile	CAPTAIN
3829	82	CM	Vidal	FC Barcelona	Spain Primera División	Chile	PASSING

These buttons directs the user to the extended statistics of the respective player.

After searching the player's name "Vidal". We are displayed with the results for different versions of our player "Vidal".

Print

BACK

LOGOUT

RESULTS:

HASH	RATING	POSITION	NAME	CLUB	LEAGUE	COUNTRY	SKILLBOOST	
62	105	RW	Messi	FC Barcelona	Spain Primera División	Argentina	SECONDSTRIKER	...
66	105	ST	Messi	FC Barcelona	Spain Primera División	Argentina	ATTACKING	...
81	104	ST	Messi	FC Barcelona	Spain Primera División	Argentina	SECONDSTRIKER	...
123	102	CAM	Messi	FC Barcelona	Spain Primera División	Argentina	LONGSHOTS	...
127	102	RW	Messi	FC Barcelona	Spain Primera División	Argentina	DRIBBLING	...
131	102	CAM	Messi	FC Barcelona	Spain Primera División	Argentina	LONGSHOTS	...
411	97	RW	Messi	FC Barcelona	Spain Primera División	Argentina	ATTACKING	...
532	96	RW	Messi	FC Barcelona	Spain Primera División	Argentina	AGILITY	...
534	96	RW	Messi	FC Barcelona	Spain Primera División	Argentina	SPEED	...
612	95	ST	Messi	FC Barcelona	Spain Primera División	Argentina	SECONDSTRIKER	...
711	94	RF	Messi	FC Barcelona	Spain Primera División	Argentina	SPEED	...
726	94	RF	Messi	FC Barcelona	Spain Primera División	Argentina	SPEED	...
845	93	RW	Messi	FC Barcelona	Spain Primera División	Argentina	SHOTPOWER	...
957	92	RW	Messi	FC Barcelona	Spain Primera División	Argentina	SPEED	...
993	92	RW	Messi	FC Barcelona	Spain Primera División	Argentina	SPEED	...

The amount of rows will set the height of the table and number of buttons and their respective Action-Listeners.

Extended Statistics:



The screenshot shows a player's statistics page for Lionel Messi. The interface is dark-themed with red and white text. On the left, there's a sidebar with player information. The main area displays various statistics grouped into categories like PACE, SHOOTING, PASSING, AGILITY (AVG), PHYSICAL, DEFENDING, and INTERCEPTING. At the bottom, there are three 3D models of the player in different kits.

HASH	66	PACE	132	ACCELERATION	136	DEFENDING	54	INTERCEPTING	53
RATING	105	SHOOTING	134	SPRINT SPEED	129			HEADING	106
POSITION	ST			POSITIONING	135			MARKING	44
NAME	Messi			FINISHING	135			STAND TACKLE	51
CLUB	FC Barcelona			SHOT POWER	135			SLIDE TACKLE	36
LEAGUE	Spain Primera División			LONG SHOT	136				
NATION	Argentina			VOLLEYS	132				
SKILLBOOST	ATTACKING			PENALTIES	120				
		PASSING	124	VISION	123				
				CROSSING	118				
				FREE KICK	120				
				SHORT PASSING	134				
				LONG PASSING	122				
				CURVE	115				
		AGILITY (AVG)	134	AGILITY	135				
				BALANCE	114				
				REACTIONS	140				
				BALL CONTROL	140				
				DRIBBLING	135				
				JUMPING	92				
				STRENGTH	104				
		PHYSICAL	91	AGGRESSION	72				

Here, We have extended or more detailed statistics of a particular player.

We have 85 component statistics of a player.

If we search for Goalkeepers, we have 40 component statistics.

After clicking on the button with Messi's hash of 66, it will direct you to this page.

Thank You.