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African_Football_Legends Home Privacy Players Nations

Welcome to African Football Legends

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Introduction:

The African Football Legends Management System is a web application designed to showcase and manage information about iconic African football players and their respective nationalities. The system allows users to explore a curated collection of legendary players, view their profiles, and apply filtering and search capabilities to easily find players based on specific criteria.

Project Overview:

- Explore Player Profiles:** Users can browse through a comprehensive list of legendary African football players, each with detailed profiles that highlight their career summaries, positions, international caps, retire dates, and more.
- Search and Filter:** The system offers powerful search and filtering options to quickly discover players based on criteria such as name, position, nation, and more. Users can refine their search results to find players who match their specific preferences.
- Nation Details:** In addition to player profiles, the system also presents information about African nations, including FIFA rankings, African Cup titles, foundation years, and more.
- Validation and Data Integrity:** The system includes robust validation mechanisms to ensure that user-provided data is accurate and valid. Custom validation attributes are implemented to enhance data integrity.

MVC:

1. Models:

- **Player:** Represents a legendary African football player. It includes properties such as full name, summary, date of birth, position, shirt number, international caps, retirement date, image URL, Wikipedia link, and nationality. The model also features data validation attributes and a custom validation attribute for Wikipedia links.
- **Nation:** Represents an African nation's football details, including FIFA ranking, nation name, African Cup titles, and foundation year. It's associated with players as a foreign key relationship.
- **PlayerSearchViewModel:** Features properties to hold filter parameters such as search term, position filter, nation filter, and the option to filter by goals or caps. This ViewModel enables users to refine their search criteria when looking for specific players in the Players Index View.
- **WikipediaLinkAttribute:** is a custom validation attribute inherits from ValidationAttribute, created to ensure the validity of Wikipedia links provided in player profiles using regex in overridden method IsValid.

2. Views:

- **Player Views:** These views are responsible for rendering player-related content. They include create, details, index, edit, and delete views. The index view displays a list of players with filtering and search functionality, allowing users to explore player profiles and a bottom which leads to every player's Wikipedia page.
- **Nation Views:** Similar to player views, these views render nation-related content. They include create, index, details, edit, and delete views, displaying nation details and allowing management.

3. Controllers:

- **PlayersController:** Manages player-related actions. It handles CRUD operations (Create, Read, Update, Delete) for players. It also handles the filtering and searching of players based on user preferences.
- **NationsController:** Manages nation-related actions. It handles CRUD operations for nations and their details.

Technical Details:

- **ASP.NET MVC Core:** The application is built using the ASP.NET MVC Core framework, which provides a structured approach to develop web applications.
- **Entity Framework Core:** Entity Framework Core is used for database interaction, allowing efficient data storage and retrieval. It facilitates creating and managing the database schema based on the model classes using code first approach with migration for every update.
- **Razor Views:** Razor syntax is used to create dynamic HTML views. It combines HTML markup with C# code to generate dynamic content based on the data from the models.
- **Bootstrap:** Bootstrap CSS framework is utilized for responsive design, providing a consistent and visually appealing layout across various devices featuring Bootstrap icons.
- **Custom Validation Attribute:** A custom validation attribute is implemented to validate Wikipedia links and ensure data integrity.
- **Filtering and Searching:** The application features filtering and searching capabilities in the index views. Users can filter players based on position, nationality, and search terms.
- **Responsive Design:** The application is designed with responsive CSS to ensure optimal user experience on different devices featuring Darkly.css as the main style for the entire site.
- **Controller Actions:** Controllers define actions that handle user requests. They interact with models, retrieve data, and pass it to views for rendering.
- **ViewModels:** ViewModel classes are used to encapsulate data needed by the views. They consolidate data from different models for efficient presentation.
- **Data Annotations:** Data annotations, such as [Required], [Range], and custom attributes, are applied to model properties to enforce validation rules.
- **ASP and HTML Tags:** ASP.NET and HTML tags enable dynamic content generation. ASP.NET tags like @Html.DisplayFor render model data, while HTML tags like select and input provide user input fields and selection options.

Screenshots across the website:

- Player's Index View

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Players Data

Show Filters

Create new Player

Name	Position	Nation	International Caps	International Goals	
Ahmed Hassan:	CM	Egypt	184	33	<div><div></div><div></div><div></div><div></div></div>
Hossam Hassan	ST	Egypt	176	68	<div><div></div><div></div><div></div><div></div></div>
Essam El-Hadary	GK	Egypt	159	2	<div><div></div><div></div><div></div><div></div></div>
Rigobert Song	CB	Cameroon	137	5	<div><div></div><div></div><div></div><div></div></div>
Samuel Eto'o	ST	Cameroon	118	56	<div><div></div><div></div><div></div><div></div></div>
Nouredine Naybet	CB	Morocco	115	4	<div><div></div><div></div><div></div><div></div></div>

Note: default for player's index view to be sorted by international caps.

- Filter and Search Options

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Players Data

Show Filters

Search by Name:

Mohamed

Filter by Position:

All Positions

Filter by Nation:

Egypt

Filter:

Filter by Goals

Search

- Filters Result:

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Players Data

Show Filters

Create new Player

Name	Position	Nation	International Caps	International Goals	
Mohamed Salah	LM	Egypt	98	51	<div><div></div><div></div><div></div><div></div></div>
Mohamed Abou Trika	CAM	Egypt	100	38	<div><div></div><div></div><div></div><div></div></div>
Total players			2		

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- Details View:

Name

Mohamed Abou Trika

Nation Name

Egypt

Date of Birth

1978/11/07

International Caps

100

International Goals

38

Position

CAM

Shirt Number

22

Retire Year


2013

Career Summary

Mohamed Abou Trika, often referred to as "The Magician," is an Egyptian football icon celebrated for his creative midfield play and ability to control the game's tempo. Spending the majority of his career at Al Ahly, Abou Trika showcased his exceptional passing, vision, and playmaking abilities. His contributions to Al Ahly's domestic and continental successes, along with his crucial role in the Egyptian national team, made him a beloved figure among fans and an inspiration to aspiring players.

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- Edit View:

Edit Player

Name
Mohamed Salah

Career Summary
Mohamed Salah is an Egyptian professional footballer widely regarded as one of the most

Date of Birth
06/15/1992

Position
RM

Shirt Number
10

International Caps
98

International Goals
51


Retire Year
2023

Wikipedia Link
https://en.wikipedia.org/wiki/Mohamed_Salah

Nationality
Egypt

Image No file chosen

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Note: When the Retire Year is set to 2023 it will be displayed as **Still Active!**

- Delete View

Are you sure you want to delete?

Name
Mohamed Salah

Nation Name

Date of Birth
1992/06/15

International Caps
98


International Goals
51

Position
RM

Shirt Number
10

Retire Year
Still Active!

Career Summary
Mohamed Salah is an Egyptian professional footballer widely regarded as one of the most electrifying wingers in modern football. He began his career in Egypt before making his mark in Europe with successful stints at clubs like Basel, Chelsea, and AS Roma. It was at Liverpool, however, that Salah truly rose to global prominence. His incredible speed, dribbling skills, and clinical finishing have earned him numerous individual awards and a crucial role in Liverpool's successes, including winning the Premier League and the UEFA Champions League.



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- Nations Create View Displaying the Validation

Create Nation

Nation Name

Provide valid Nation name

Rank

Ranking must be between 1 and 211

Titles

Titles must be between 0 and 8

Foundation Year

Foundation Year must be between 1900 and 2021


Image No file chosen

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- Nation Details:

Nation Name	Nigeria
Rank	39
Titles	3
Foundation Year	1945



Nigeria Players

- Jay-Jay Okocha
- Nwankwo Kanu
- Ahmed Musa

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- Wikipedia Custom Validation:

Retire Year

The value " " is invalid.

Wikipedia Link

Nationality

The value " " is invalid.