

User Manual - FIFASTATS World Cup Application

1. Environment Setup

a. MongoDB

- i. Install MongoDB Community Server using this link
<https://www.mongodb.com/try/download/community>

b. Flask

- i. In the terminal, navigate to project directory
cd project directory
- ii. Create and activate a virtual environment
For Windows:
Create virtual environment: *python3 -m venv venv*
Activate virtual environment: *.\venv\Scripts\activate*

For Mac:
Create virtual environment: *python3 -m venv venv*
Activate virtual environment: *source venv/bin/activate*
- iii. Install dependencies
pip install -r requirements.txt

c. Docker

- i. Install Docker Desktop using this link
<https://www.docker.com/products/docker-desktop/>

2. MongoDB Configuration

- a. Create a MongoDB Atlas account using this link
<https://www.mongodb.com/cloud/atlas/register>
- b. Once your account is created, please contact Jovan Lim through his email jovanlim161@gmail.com to request access to MongoDB Atlas by using the email you used to create the MongoDB Atlas account.
- c. After Jovan has sent you the invitation to the project, accept the invite and login to MongoDB Compass and select Add New Connection and paste this link into the URI field and press connect.
mongodb+srv://jovanlim161:QCMPIO17seMezJ8e@clusterj.rzk7w.mongodb.net/
- d. You should be able to see and access the database called FIFA_DB.

3. Flask Application Configuration

- a. Create an `.env` file in the root directory of the project and paste the following line of code into the file and save.

`MONGODB_URI=mongodb+srv://jovanlim161:QCMPIO17seMezJ8e@clusterj.rzk7w.mongodb.net/`

4. Running the Application

a. Local Flask

- i. Ensure that the environment is activated, else refer back to the Environment Setup.
- ii. To run the application, run the command: `flask run`
- iii. You should be able to see and access the website.
* Running on <http://127.0.0.1:5000>

b. Docker (3. is not applicable)

- i. Ensure that Docker is installed, else refer back to Environment Setup
- ii. To run the application, run the command: `docker compose build` then `docker compose up`
- iii. You should be able to see and access the website.
*running on <http://127.0.0.1:5000> and `http://<ip addr of the device running docker>:5000`

c. Fly.io (3. is not applicable)

- i. You should be able to see and access the website when you run the application using this link.
<https://database-winter-dream-8186.fly.dev/>



Most FIFA World Cup Wins	
Brazil	5 wins
Italy	4 wins
West Germany	3 wins
Argentina	3 wins
Uruguay	2 wins
France	2 wins
Spain	1 wins
England	1 wins
Germany	1 wins
Paraguay	0 wins

Top Scorers	
Miroslav Klose	16 goals
Ronaldo	15 goals
Gerd Müller	14 goals
Just Fontaine	13 goals
Lionel Messi	13 goals
Kylian Mbappé	12 goals
Pelé	12 goals
Ángel Bossio	12 goals
Sándor Kocsis	11 goals
Jürgen Klinsmann	11 goals

Players with Most Yellow and Red Cards	
Gabriel Batistuta	4 Yellow 0 Red
Rob Rensenbrink	4 Yellow 0 Red
Harry Kane	4 Yellow 0 Red
Lionel Messi	4 Yellow 0 Red
Manuel Rosas	1 Yellow 1 Red
Eusébio	4 Yellow 0 Red
Lucien Laurent	1 Yellow 1 Red
Ivica Horvat	0 Yellow 1 Red
Ernst Lörtscher	0 Yellow 1 Red
Jimmy Dickinson	0 Yellow 1 Red