

Football Match Result Prediction User Manuel

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1. Introduction:

The purpose of this project is to lay the groundwork for a future project that aims to predict match results. In this project, we aim to create a user-friendly website that includes various types of data such as match scores, home team, away team, stadium, referee, number of spectators, the league and season the match belongs to, match week, the date and time of the match day, and detailed match information for all players from both teams.

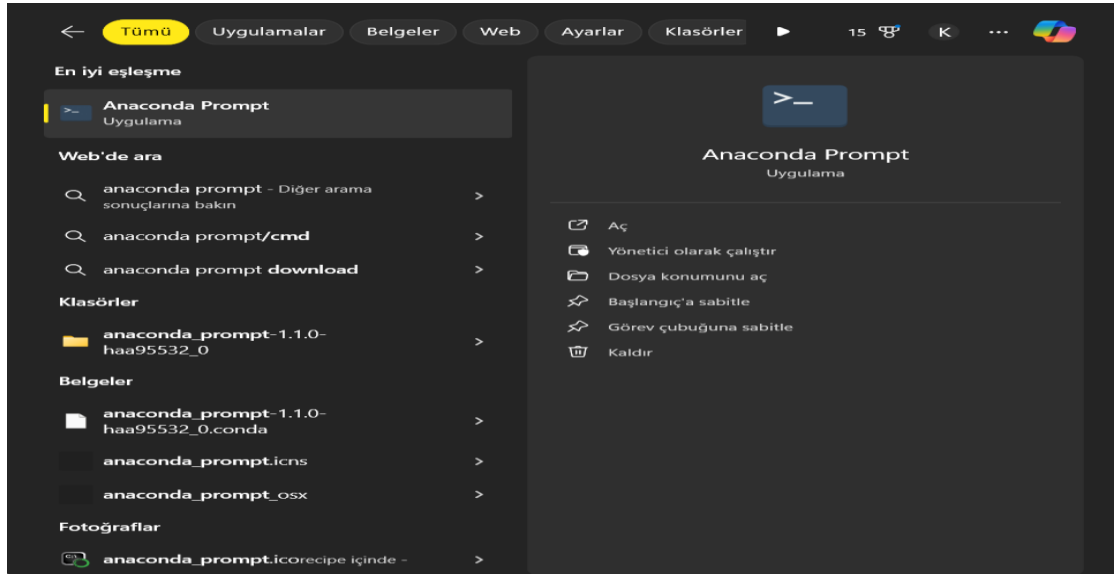
2. System Requirements:

- Operating System: Windows 10/11, macOS
- Processor - i5 or higher
- Python Version: 3.8 or higher
- RAM: At least 8 GB
- Django Version: Latest stable release
- Selenium Version: Latest stable release
- Dependencies:
 - Selenium
 - Django
 - Web browser (google chrome)
 - Chrome Driver

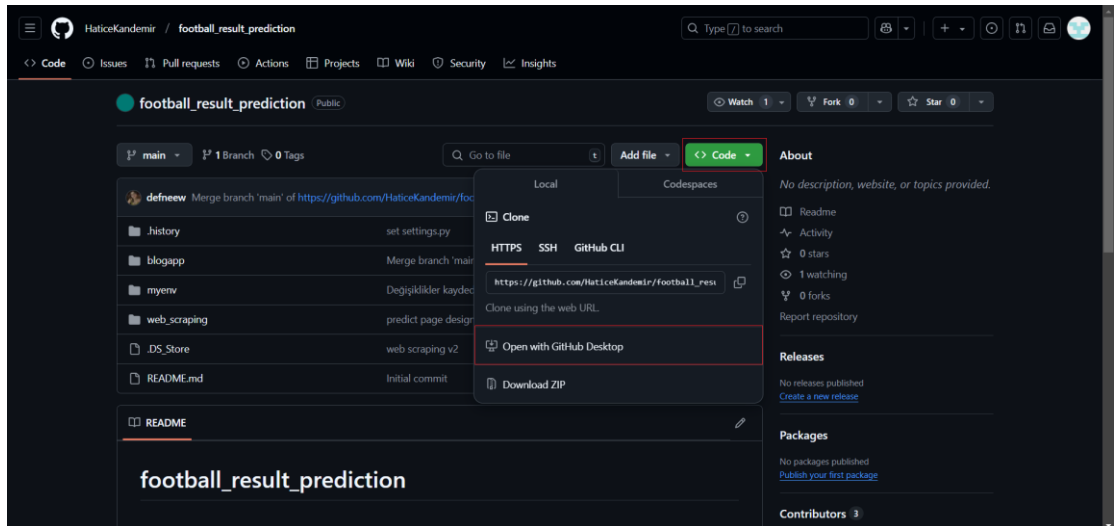
3. Installation Guide:

1. Download and install Anaconda. This video will help you download anaconda: <https://www.youtube.com/watch?v=F73u3jBuA1M>
2. Download and install Google Chrome. This video will help you download Google Chrome: <https://www.youtube.com/watch?v=IEIRCiki7iE>
3. Download and install Chrome Driver. This video will help you download Chrome Driver: <https://www.youtube.com/watch?v=Bpd04FH9ycs>

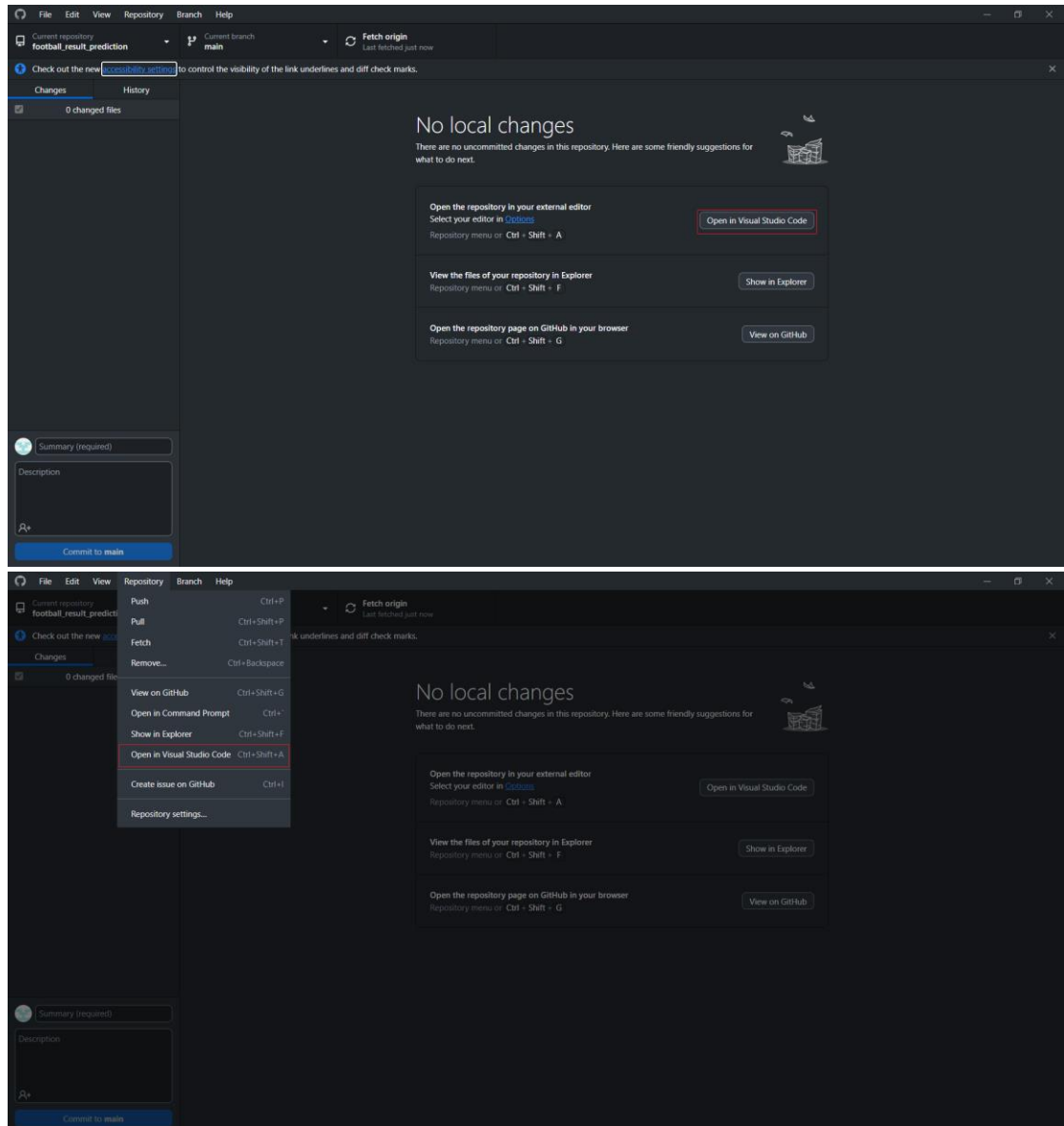
4. Then open the Anaconda Prompt.



5. Let's create an environment: **conda create -n test_env python=3.10.16**
6. Let's activate the environment: **conda activate test_env**
7. Let's install selenium: **pip install selenium**
8. Let's install django: **pip install django**
9. Then: **pip install django-import-export**
10. To make sure that django has been successfully installed, you can run the following command: **django-admin --version**
11. Let's go to our GitHub link later:
https://github.com/HaticeKandemir/football_result_prediction
12. If you don't have the GitHub desktop application on your computer, download it:
<https://www.youtube.com/watch?v=G4SIIp14Xx4>
13. Then, let's open the files in the GitHub desktop application by following the steps in the photo.

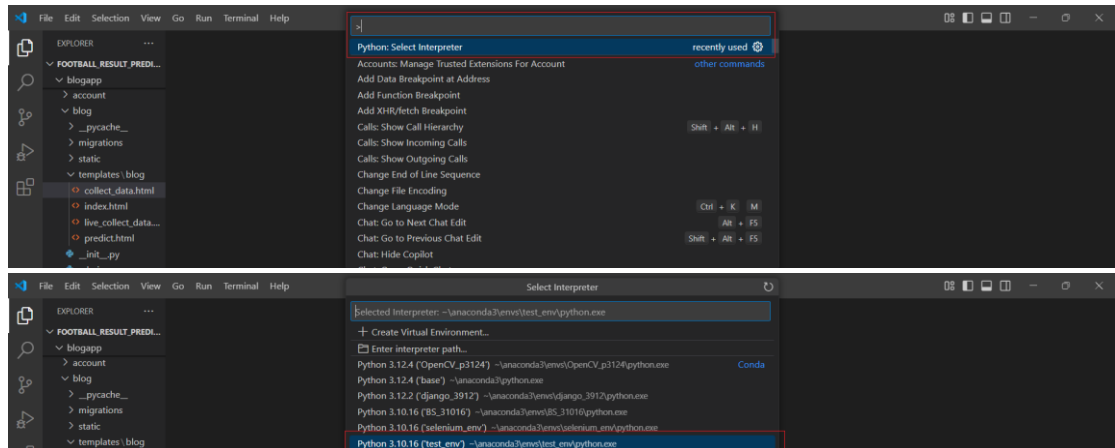


14. Then let's open our project with VS Code as in the photos.

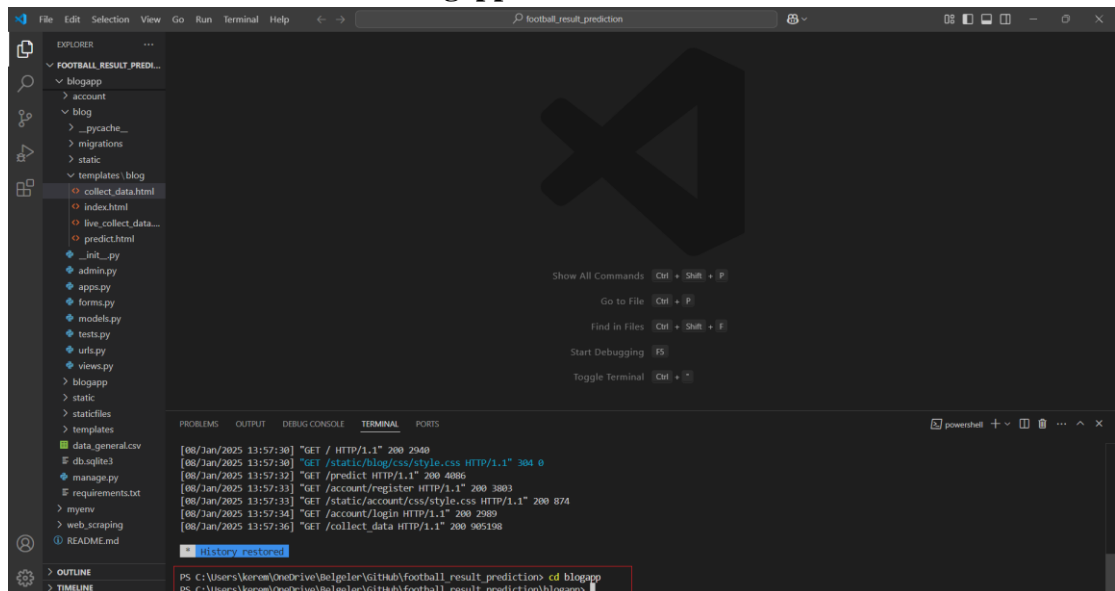


15. After opening our project with VS Code, let's select our environment named **test_env**, which we created earlier via anaconda prompt, by pressing **ctrl+shift+p**

together (Firstly ctrl+shift+p, secondly select test_env).



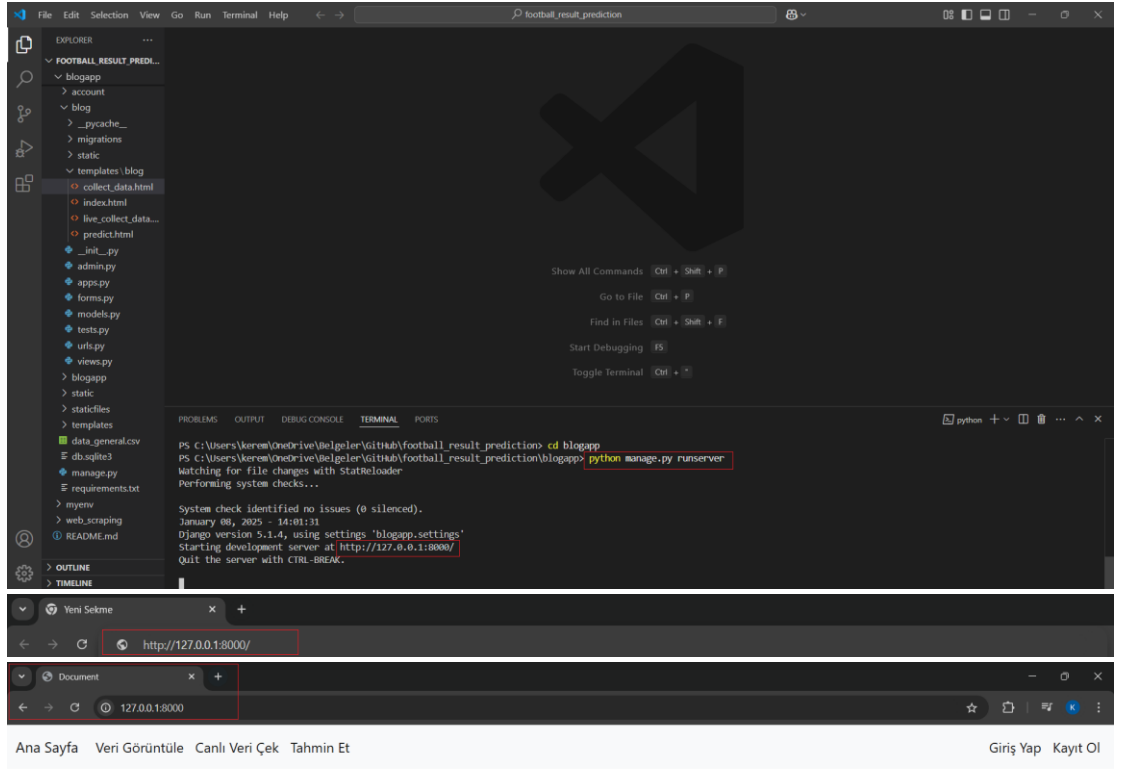
16. Now we can move on to running our project. Let's type the following command into the VS Code terminal: **cd blogapp**



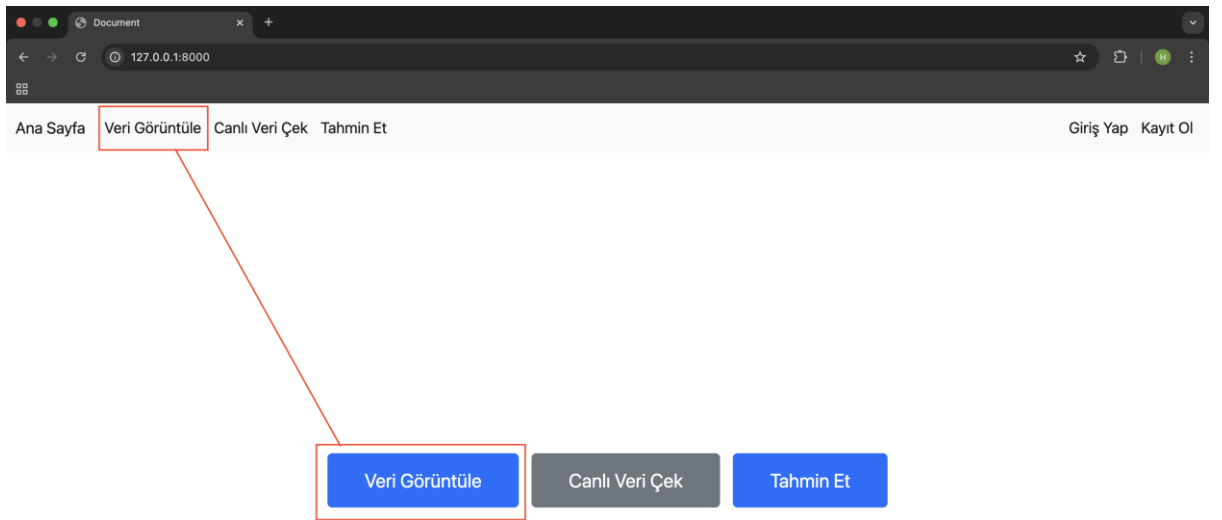
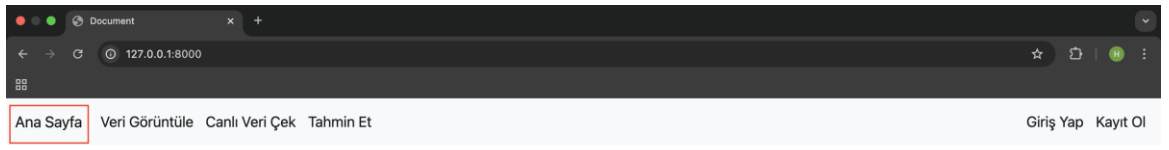
17. In the second step, let's write our code and run our server. Let's copy the url that appears on our terminal and paste it into google chrome.

Code: **python manage.py runserver**

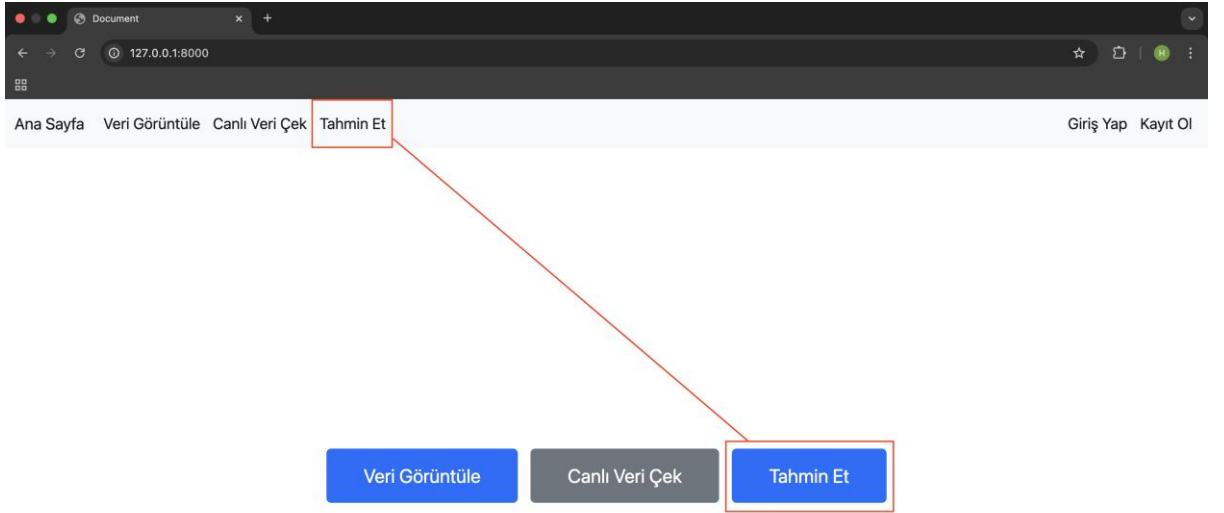
URL: **copy the second red box**

[Veri Görüntüle](#)[Canlı Veri Çek](#)[Tahmin Et](#)

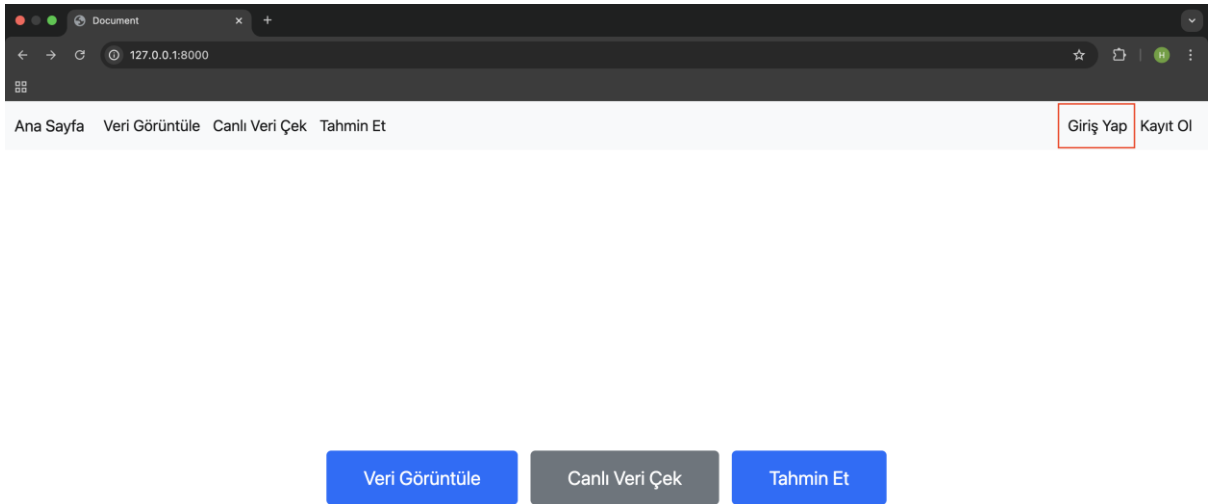
4. User Interface Overview and Usage Instructions:



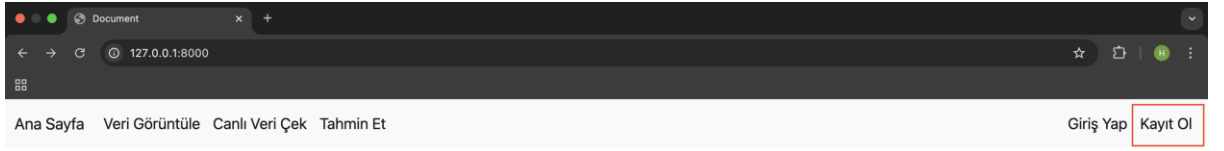
Click the "Veri Görüntüle" button



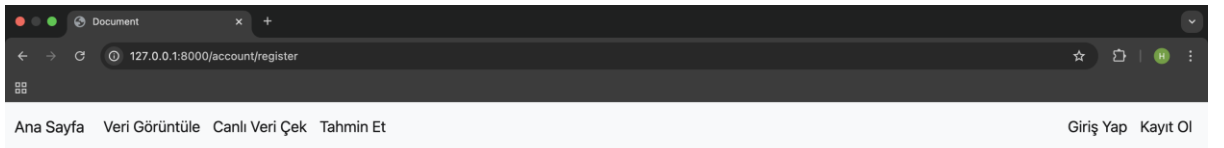
Click the "Tahmin Et" button



Click the "Giriş Yap" button



Click the "Kayıt Ol" button



Kayıt Ol

Ad

Soyad

Email

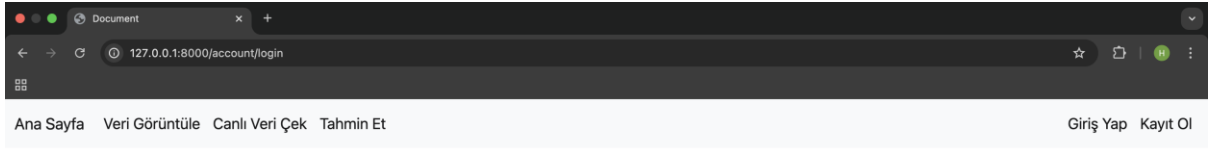
Kullanıcı Adı

Şifre

Şifrenizi Tekrar Girin

Kayıt Ol

You can register by filling out the registration form.



You can log in with your registered information.

Veri Görüntüleme

Lig Seçiniz										Sezon Seçiniz										Veri Çek									
39	1	Fri	11.09.2020	20:00	Rizespor	1-2	Fenerbahçe			Arena	Küçük	Karaman								161									
40	1	Fri	16.08.2019	20:30	Denizlispor	2-0	Galatasaray	13,666		Yeni Rize Şehir Stadi	Arda Kardeşler	Braian Samudio	18	py PAR	FW	24-263	89	0	0										
41	1	Fri	10.08.2018	21:45	Ankaragücü	1-3	Galatasaray			Denizli Atatürk Stadyumu	Abdulkadir Bitigen	Hugo Rodallega	7	co COL	FW	34-022	90	1	0										
42	1	Fri	11.08.2017	21:45	Başakşehir	1-0	Bursaspor			Osmanlı Stadi	Umit Öztürk	Moestafa El Kabir	9	ma MAR	FW	29-309	90	1	0										
										Başakşehir Fatih Terim Stadium	Umit Öztürk	Emmanuel Adebayor	10	tg TOG	FW	33-166	88	0	0										

Veri Görüntüleme

Premier League

Sezon Seçiniz

Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee	1. HP Name	1. HP Shirt Number	1. HP Nation	1. HP Pos	1. HP Age	1. HP Min	1. HP Gls	1. HP Ast	1. HP PK	1. HP	
1	1	Fri	11.08.2023	20:00 (22:00)	Burnley	0.3	0-3	1.9	Manchester City	21,572	Turf Moor	Craig Pawson	Zeki Amdouni	25	ch SUI	FW	22-250	60	0	0	0	0	(
2	1	Fri	5.08.2022	20:00 (22:00)	Crystal Palace	1.2	0-2	1.0	Arsenal	25,286	Selhurst Park	Anthony Taylor	Odsonne Édouard	22	fr FRA	FW	24-201	57	0	0	0	0	(
3	1	Fri	13.08.2021	20:00 (22:00)	Brentford	1.2	2-0	1.3	Arsenal	16,479	Brentford Community Stadium	Michael Oliver	Ivan Toney	17	eng ENG	FW	25-150	90	0	0	0	0	(

Veri Görüntüleme

Lig Seçiniz ▾

2021-2022 ▾

Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee	1. HP Name	1. HP Shirt Number	1. HP Nation	1. HP Pos	1. HP Age	1. HP Min	1. HP Gls	1. HP Ast	1. HP PK	1. HP PKatt	1. HP Sh
1	1	Fri	13.08.2021	20:00 (22:00)	Brentford	1.2	2-0	1.3	Arsenal	16,479	Brentford Community Stadium	Michael Oliver	Ivan Toney	17	eng ENG	FW	25-150	90	0	0	0	0	0
2	1	Fri	13.08.2021	21:00 (22:00)	Valencia	1.5	1-0	1.4	Getafe	9,868	Estadio de Mestalla	Jesús Gil	Gonçalo Guedes	7	pt POR	RM,FW	24-257	85	0	0	0	0	0
3	1	Sat	21.08.2021	18:30 (19:30)	Inter	1.6	4-0	1.1	Genoa	27,402	Stadio Giuseppe Meazza	Valerio Marini	Edin Džeko	9	ba BIH	FW	35-157	90	1	1	0	0	4

Veri Görüntüleme

Lig Seçiniz ▾

2021-2022 ▾

Veri Çek

3	1	Sat	21.08.2021	18:30 (19:30)	Inter	1.6	4-0	1.1	Genoa	27,402	Stadio Giuseppe Meazza	Valerio Marini	Edin Džeko	9	ba BIH	FW	35-157	90	1	1	0	0	4
4	1	Fri	13.08.2021	20:30 (21:30)	Gladbach	2.3	1-1	2.5	Bayern Munich	22,925	Stadion im Borussia-Park	Marco Fritz	Alassane Pléa	14	fr FRA	FW	28-156	63	1	0	0	0	1
5	1	Fri	6.08.2021	21:00 (22:00)	Monaco	1.5	1-1	0.2	Nantes	7,500	Stade Louis II	Antony Gautier	Myron Boadu	9	nl NED	FW	20-204	58	0	0	0	0	1
6	1	Fri	13.08.2021	20:30	Beşiktaş		3-0		Rizespor		Vodafone Arena	Zorbay Küçük	Kenan Karaman	28	tr TUR	FW	27-161	78	0	1	0	0	3

Veri Görüntüleme

La Liga 2018-2019 Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee	1. HP Name	1. HP Shirt Number	1. HP Nation	1. HP Pos	1. HP Age	1. HP Min	1. HP Gls	1. HP Ast	1. HP PK	1. HP PKatt	1. HP Sh	1. HP SoT
1	1	Fri	17.08.2018	20:15 (21:15)	Girona	0.7	0-0	0.0	Valladolid	10,368	Estadi Municipal de Montilivi	Guillermo Cuadra	Cristhian Stuani	7	uy URU	FW	31-309	80	0	0	0	0	3	0

Veri Görüntüleme

Bundesliga 2017-2018 Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee	1. HP Name	1. HP Shirt Number	1. HP Nation	1. HP Pos	1. HP Age	1. HP Min	1. HP Gls	1. HP Ast	1. HP PK	1. HP PKatt	1. HP Sh	1. HP SoT
1	1	Fri	18.08.2017	20:30 (21:30)	Bayern Munich	2.6	3-1	1.6	Leverkusen	75,000	Allianz Arena	Tobias Stieler	Robert Lewandowski	9	pl POL	FW	28-362	90	1	0	1	1	2	0

Veri Çekme

Serie A 2020-2021 23.12.2020 Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee
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After filtering the data retrieval page by league, season and date, live data retrieval is performed instantly by pressing the retrieval button.

Chrome Dosya Düzenle Görüntüle Geçmiş Yer İşaretleri Profiler Sekme Pencere Yardım

2020-2021 Serie A Scores & Fixtures

Chrome otomatik test yazılımı tarafından kontrol ediliyor.

Serie A History2020-2021 Serie A OverviewScores & FixturesSquad & Player StatsNationalitiesSquad & Player WagesOther 2020-2021 LeaguesBack to top

		18:00 (17:00)	Juventus	0.2	2-0	1.0	Roma	Allianz Stadium	Daniele Orsato	Match Report			
		20:45 (19:45)	Genoa	1.0	2-1	2.0	Napoli	Stadio Comunale Luigi Ferraris	Gianluca Manganiello	Match Report			
Sun	2021-02-07	12:30 (11:30)	Benevento	1.0	1-1	1.7	Sampdoria	Stadio Ciro Vigorito	Gianluca Aureliano	Match Report			
		15:00 (14:00)	Milan	2.2	4-0	0.6	Crotone	Stadio Giuseppe Meazza	Luca Pairetto	Match Report			
		15:00 (14:00)	Udinese	2.0	2-0	0.3	Hellas Verona	Dacia Arena	Alberto Santoro	Match Report			
		18:00 (17:00)	Parma	0.9	0-3	1.3	Bologna	Stadio Ennio Tardini	Marco Guida	Match Report			
		20:45 (19:45)	Lazio	1.2	1-0	0.8	Calcio	Stadio Olimpico	Massimiliano Irrati	Match Report			
22 Fri	2021-02-12	20:45 (19:45)	Bologna	1.7	1-1	0.8	Benevento	Stadio Renato Dall'Ara	Davide Ghersini	Match Report			
Sat	2021-02-13	15:00 (14:00)	Torino	0.4	0-0	0.3	Genoa	Stadio Olimpico di Torino	Fabrizio Pasqua	Match Report			
		18:00 (17:00)	Napoli	1.1	1-0	2.2	Juventus	Stadio Diego Armando Maradona	Daniele Doveri	Match Report			
		20:45 (19:45)	Spazio	1.5	2-0	0.5	Milan	Stadio Dino Manuzzi	Daniele Chiffi	Match Report			
Sun	2021-02-14	12:30 (11:30)	Roma	2.3	2-0	0.3	Udinese	Stadio Olimpico	Piero Giacomelli	Match Report			
		15:00 (14:00)	Sampdoria	1.1	2-1	1.3	Florentina	Stadio Comunale Luigi Ferraris	Fabio Maresca	Match Report			
		15:00 (14:00)	Calcio	0.2	0-1	0.6	Atalanta	Sardegna Arena	Marco Piccinini	Match Report			
		18:00 (17:00)	Crotone	0.8	1-2	2.5	Sassuolo	Stadio Ezio Scida	Ivan Pezzuto	Match Report			
		20:45 (19:45)	Inter	2.2	3-1	0.7	Lazio	Stadio Giuseppe Meazza	Michael Fabbri	Match Report			
Mon	2021-02-15	20:45 (19:45)	Hellas Verona	1.2	2-1	1.5	Parma	Stadio Marc'Antonio Bentegodi	Luca Massimi	Match Report			
23 Fri	2021-02-19	18:30 (17:30)	Florentina	2.0	3-0	1.0	Spazio	Stadio Artemio Franchi	Giampaolo Calvarese	Match Report			
		20:45 (19:45)	Calcio	1.0	0-1	1.1	Torino	Sardegna Arena	Daniele Orsato	Match Report			
Sat	2021-02-20	15:00 (14:00)	Lazio	1.4	1-0	1.3	Sampdoria	Stadio Olimpico	Davide Massa	Match Report			
		18:00 (17:00)	Genoa	1.0	2-2	1.2	Hellas Verona	Stadio Comunale Luigi Ferraris	Matteo Marchetti	Match Report			
		20:45 (19:45)	Sassuolo	1.7	1-1	0.5	Bologna	Mapei Stadium - Città del Tricolore	Federico La Penna	Match Report			
Sun	2021-02-21	12:30 (11:30)	Parma	2.6	2-2	1.2	Udinese	Stadio Ennio Tardini	Massimiliano Irrati	Match Report			
Wk	Day	Date	Time	Home	xG	Score	xG	Away	Attendance	Venue	Referee	Match Report	Notes
		15:00 (14:00)		Milan	0.8	0-3	2.6	Inter		Stadio Giuseppe Meazza	Daniele Doveri	Match Report	
		18:00 (17:00)		Atalanta	2.2	4-2	0.7	Napoli		Stadio Atleti Azzurri d'Italia	Marco Di Bello	Match Report	

Bu web sitesi, temel site işlevlerinin yanı sıra mantıksal analiz, kişiselleştirme ve hedeflenmiş reklamcılık için çerezler gibi teknolojiler kullanır. Daha fazla bilgi edinmek için aşağıdaki bağlantıyı görüntüleyin: [Gizlilik Politikası](#)

Ekran Resmi

Tercihleri yönet

Veri Çekme

Serie A 2020-2021 23.12.2020 Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee
1	14	Wed	2020-12-23	18:30 (17:30)	Hellas Verona	"1.5"	1-2	"1.8"	Inter		Stadio Marc'Antonio Bentegodi	Piero Giacomelli
2	14	Wed	2020-12-23	20:45 (19:45)	Sampdoria	"1.9"	2-3	"2.0"	Sassuolo		Stadio Comunale Luigi Ferraris	Giovanni Ayroldi
3	14	Wed	2020-12-23	20:45 (19:45)	Spezia	"0.5"	1-2	"1.4"	Genoa		Stadio Dino Manuzzi	Davide Massa
4	14	Wed	2020-12-23	20:45 (19:45)	Roma	"2.8"	3-2	"1.3"	Cagliari		Stadio Olimpico	Luca Pairetto
5	14	Wed	2020-12-23	20:45 (19:45)	Bologna	"1.0"	2-2	"1.4"	Atalanta		Stadio Renato Dall'Ara	Daniele Chiffi
6	14	Wed	2020-12-23	20:45 (19:45)	Napoli	"0.9"	1-1	"0.4"	Torino		Stadio Diego Armando Maradona	Paolo Valeri
7	14	Wed	2020-12-23	20:45 (19:45)	Udinese	"2.0"	0-2	"0.3"	Benevento		Dacia Arena	Manuel Volpi
8	14	Wed	2020-12-23	20:45 (19:45)	Milan	"1.6"	3-2	"1.6"	Lazio		Stadio Giuseppe Meazza	Marco Di Bello

Belirtilen tarihte maç oynanmamıştır.

Veri Çekme

Ligue 1 2018-2019 18.05.2018 Veri Çek

#	Week	Day	Date	Time	Home Team	xG	Score	xG	Away Team	Attendance	Venue	Referee
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If there is no match on the date you selected, you will encounter such a warning.

Document x +

127.0.0.1:8000/predict

Ana Sayfa Veri Görüntüle Canlı Veri Çek Tahmin Et Giriş Yap Kayıt Ol

Lig Adı
Lig adı giriniz

Sezon
Sezon giriniz

Tarih
gg.aa.yyyy

Ev Sahibi Takım
Ev sahibi takım giriniz

Deplasman Takım
Deplasman takım giriniz

Hakem Adı
Hakem adı giriniz

Seyirci Sayısı
Seyirci sayısı giriniz

Tahmin Et

You can enter inputs on the Predict page, but the button for predicting the match result is not functional for this period.

5. Features and Functionalities:

- **Data Management:** Store and manage detailed match and player data.
- **Search and Filter:** Easily search and filter matches, players, and statistics.
- **Visualization Tools:** Graphical representations of trends and insights.
- **Future Compatibility:** Designed to support integration with predictive algorithms.

6. Troubleshooting and Maintenance:

Troubleshooting:

- **Ensure Chrome and ChromeDriver Compatibility:** Verify that the versions of Google Chrome and ChromeDriver match to ensure smooth functionality.
- **Setting Up the Correct Anaconda Environment:** Create and activate the appropriate environment using Anaconda for dependency management.
- **Version Compatibility:** Ensure that Selenium, Django, and Python are compatible with each other. For example, verify their supported versions in the respective documentation.
- **GitHub Desktop Installation:** Properly install and configure GitHub Desktop to manage project repositories effectively.
- **Environment Selection in VS Code:** Make sure the correct Python environment is selected in Visual Studio Code to avoid runtime errors.
- **Running the Server with Correct Commands:** Use `python manage.py runserver` in the project directory to launch the Django server without issues.

Maintenance:

- Regularly update dependencies and Django to the latest versions.
- Backup your database frequently.
- Monitor server logs for errors.
- Test the application periodically to ensure all features are working as expected.

7. References:

- <https://fbref.com/en/>
- <https://stackoverflow.com/>
- <https://www.djangoproject.com/start/>
- <https://docs.anaconda.com/anaconda/getting-started/>
- https://www.selenium.dev/documentation/webdriver/getting_started/
- <https://www.geeksforgeeks.org/python-web-scraping-tutorial/>
- <https://medium.com/>