

TapIN MMA – User Manual

1. Introduction

TapIN MMA is a Streamlit-based web application developed as a Capstone project for Computer Science. The application allows users to explore MMA fighters, upcoming events, and analytical insights using data retrieved from external APIs.

This manual explains how to use the application's main features.

2. Accessing the Application

The application is accessed through a web browser after launching the Streamlit server locally or via Streamlit Cloud. No local account creation is required for basic usage.

3. Application Interface Overview

The user interface is organized into tabs, each corresponding to a specific feature area of the application. Users can navigate between tabs using the tab bar at the top of the page.

4. Fighter Comparison

The Fighter Comparison tab allows users to:

- Search fighters by name
- Filter fighters by weight class and gender
- View key statistics such as height, reach, age, and win/loss records
- Compare multiple fighters side by side

5. Events and Fight Cards

The Events tab provides:

- A list of upcoming MMA events

- Regional filtering options
- Event details including location and scheduled fights

6. Predictions and Odds

Where available, the application displays:

- Betting odds retrieved from external services
- A rule-based fight prediction output
- Confidence indicators based on fighter attributes

7. Email Notifications

Users may subscribe using an email address to receive automated notifications related to upcoming events. Users can unsubscribe at any time.

8. Administrative Features

Administrative features are protected by a password and allow authorized users to:

- Trigger scheduled email digests
- Manage subscriber data stored locally

9. Limitations

- Data availability depends on third-party APIs
- API rate limits may affect refresh frequency
- Betting odds availability varies by region

10. Conclusion

TapIN MMA provides an interactive platform for exploring MMA data through a simple and user-friendly interface.