**Sports predictions web application**

*User requirements specification*

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**1. Overview**

The sports betting predictions web app is an online platform that provides users with predictions on various sports events. The web app has two types of accounts - tipsters and users. The sports covered by the web app include football, tennis, and basketball, for now. Additionally, the project includes desktop application with admin account for managing the platform.

**2. Functional requirements**

1. Tipster account:

* Tipsters must be able to create and post predictions for different sports events.
* Tipsters must be able to view their prediction history and performance metrics.

2. User account:

* Users must be able to view and search for available predictions for different sports events.
* Users must be able to view their bet history.

3. Sports coverage:

* The web app must cover football, tennis, and basketball sports events.
* The web app must provide predictions for various leagues and tournaments within each sport.

4. Admin account:

* Admins must be able to manage tipsters and user accounts.
* Admins must be able to view and manage all predictions.

**3. Constraints**

1. Technical constraints:

* The web app must be built using predefined technologies and frameworks that can support the required functionalities and performance which are .NET, C#, HTML and CSS.
* The web app must be hosted on a secure and reliable server with sufficient storage and bandwidth.

2. Desktop application:

* The admin account for the web app must have access to a desktop application for managing the platform.
* The desktop application must provide admin users with a dashboard for managing users, tipsters, predictions, and other relevant information.

3. Time constraint:

* The project should be finished for 16 weeks as an initial version of both applications – web and desktop, respectively, should be uploaded after 6 weeks.

**4. Non-functional requirements**

1. Security:

* The web app must ensure secure access and data privacy for all users.
* The web app must use encryption for sensitive data such as user passwords and payment information.

2. Performance:

* The web app must have fast and responsive loading times.
* The web app must be able to handle a large volume of users and data without compromising performance.

3. Usability:

* The web app must have a user-friendly interface that is easy to navigate and understand.

**5. Use cases**

1. User Registration: A user can create a new account by entering their personal information, including their name, email and password.
2. User Login: A user can log in to their account using their email address and password. The application authenticates the user and redirects them to their dashboard.
3. User Dashboard: After logging in, a user can access their dashboard, which displays the upcoming matches and different predictions from our tipsters.
4. Match Listings: Users can browse upcoming matches by sport and league, and view the different analyses and predictions from our tipsters for the concrete matches.
5. Tipster Registration: A tipster can apply to become a verified tipster by submitting an application that includes name, email and password.
6. Tipster Dashboard: A verified tipster can access their dashboard, which displays their account information, betting history, and performance metrics. The dashboard also shows their active subscribers and their tips.
7. Tipster Dashboard: A verified tipster can access their dashboard, which displays their account information and performance metrics.
8. Tipster Prediction Submission: A verified tipster can submit their predictions and analysis for upcoming matches, which are displayed in the user’s dashboard for predictions.
9. Admin Account Management: An admin can manage user and tipster accounts, including approving or rejecting new tipster applications, suspending or banning users or tipsters, and resetting user passwords.