#### User Manual

#### Product Name: NBA Stats Tracker Website

#### Version: 1.0

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### 1. Introduction

The NBA Stats & Predictions Web Platform is a comprehensive web-based application that allows users to explore NBA player and team data, simulate games, and generate stat predictions using machine learning. This user manual provides instructions and guidance for navigating and using each major feature.

### 2. System Requirements

* A modern web browser (Chrome, Firefox, Edge)
* Internet connection
* PHP and MySQL setup (for local testing or XAMPP)
* Optional: TensorFlow.js support for prediction features

### 3. Getting Started

1. Clone or download the project from the repository.
2. Set up XAMPP and import the SQL database into phpMyAdmin.
3. Place the project files in the XAMPP htdocs directory.
4. Start Apache and MySQL services.
5. Access the app at: **http://localhost/nba-stats-web-php**

### 4. Visual Studio Code Extensions

* Auto Rename Tag
* CSS Peek
* ESLint
* HTML CSS Support
* IntelliPHP - AI autocomplete
* JavaScript (ES6) code snippets
* JS ES6 snippets
* Jupyter
* Live Preview
* Live Server
* PHP
* PHP Intelephense
* PHP Profiler
* Prettier
* Pylance
* Python
* Python Debugger
* Regex
* Rest Client
* Tensorflow Snippets
* WSL

### 4. Navigation and Features

#### 🏠 Home Page

* Overview of the platform.
* Links to each NBA team’s dedicated page.

#### 📊 Player Stats

* View player averages for the current season.
* Filter by team, position, or individual stats (PTS, REB, AST, etc).

#### 🆚 Team Simulations

* Choose two NBA teams.
* View a simulated game score and box score, generated using player averages and win rates.

#### 🔮 Predictions

* Predict a player's next game stats using a TensorFlow-powered model.
* Choose the number of recent games (5, 10, or 15) as the model input window.

#### 👥 Comparisons

* Compare the season averages of any two players side-by-side.

#### 📈 Game Trends

* View final scores and trends of recent NBA games.

#### 🏆 Team Leaders

* View the top scorer, rebounder, and assist leader for each team.

### 5. Troubleshooting

| **Issue** | **Solution** |
| --- | --- |
| **"Page Not Found"** | **Ensure Apache is running and file paths are correct in XAMPP.** |
| **Predictions not loading** | **Verify TensorFlow.js is correctly linked and enabled in your browser.** |
| **Database errors** | **Check your config.php file for proper database credentials.** |