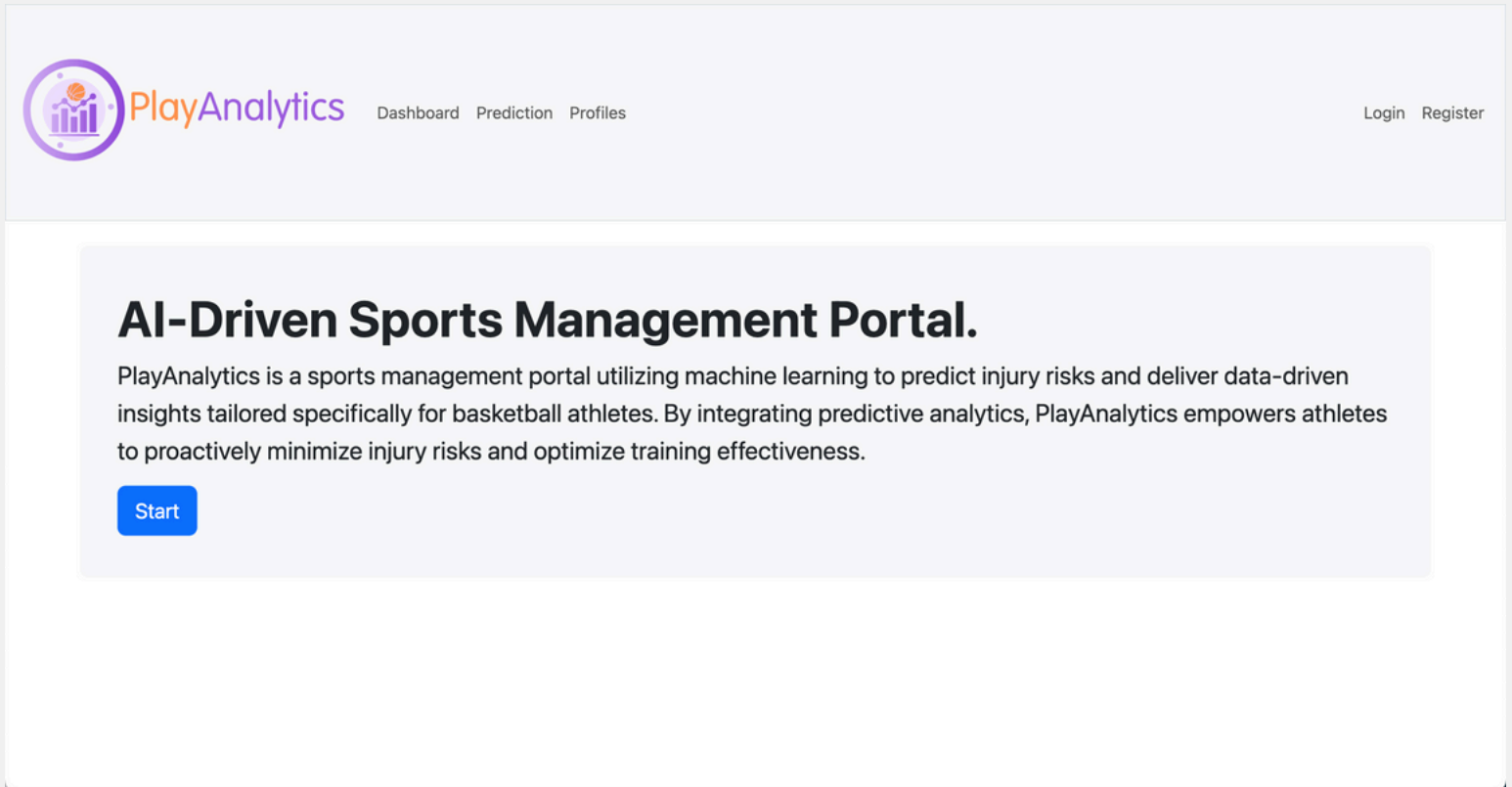


Appendix B: User Guide

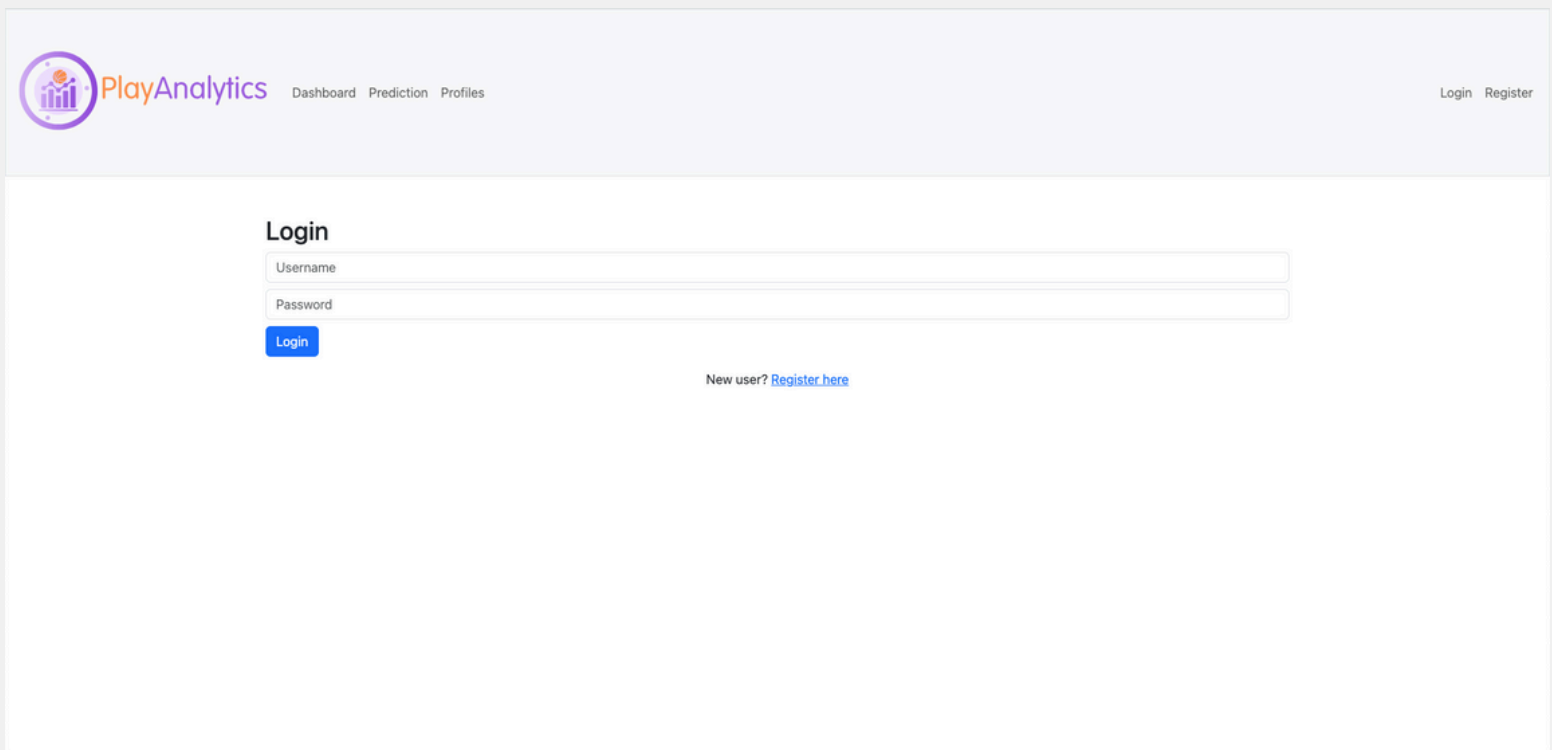
Page 48

Step 1: Landing Page – Click "Start" to go to the User Registration and Login.



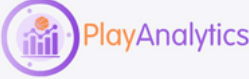
The screenshot shows the PlayAnalytics landing page. At the top, there is a navigation bar with the PlayAnalytics logo on the left, which consists of a purple circle containing a bar chart and a person icon. To the right of the logo are the links "Dashboard", "Prediction", and "Profiles". Further to the right are the links "Login" and "Register". Below the navigation bar, there is a large light blue box with the heading "AI-Driven Sports Management Portal." in bold. Underneath the heading is a paragraph of text: "PlayAnalytics is a sports management portal utilizing machine learning to predict injury risks and deliver data-driven insights tailored specifically for basketball athletes. By integrating predictive analytics, PlayAnalytics empowers athletes to proactively minimize injury risks and optimize training effectiveness." At the bottom of this box is a blue button with the text "Start".

Step 2: User Registration and Login – If first time user, click "Register here" and input Username and Password (two times) and click "Register".



The screenshot shows the PlayAnalytics login page. At the top, there is a navigation bar with the PlayAnalytics logo on the left, which consists of a purple circle containing a bar chart and a person icon. To the right of the logo are the links "Dashboard", "Prediction", and "Profiles". Further to the right are the links "Login" and "Register". Below the navigation bar, there is a section titled "Login" in bold. Underneath the title are two input fields: "Username" and "Password". Below the "Password" field is a blue button with the text "Login". At the bottom of the page, there is a link that says "New user? [Register here](#)".

If already registered, simply input Username and Password and click "Login". This brings user to the Dashboard page.



Dashboard Prediction Profiles Login Register

Register

Username: Required. 150 characters or fewer. Letters, digits and @/./+/-/_ only.

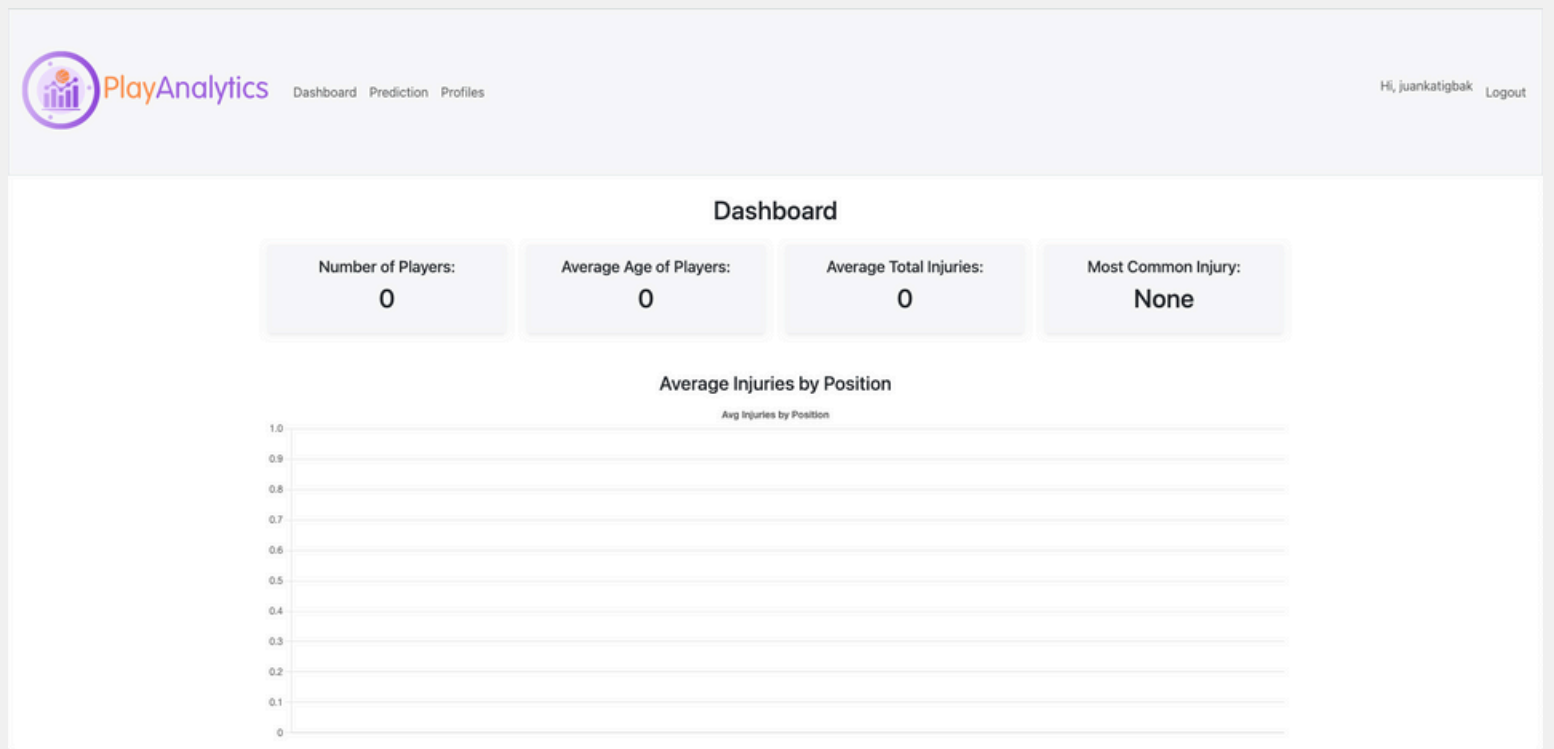
Password:

- Your password can't be too similar to your other personal information.
- Your password must contain at least 8 characters.
- Your password can't be a commonly used password.
- Your password can't be entirely numeric.

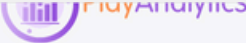
Password confirmation: Enter the same password as before, for verification.

[Register](#)

Step 3: Dashboard Page – Initially empty until players are added so click on "Prediction" in the navigation bar to go to the Prediction page.



Step 4: Prediction Page – Enter player stats and injury history to get an AI-driven risk prediction by clicking "Predict". View risk bar charts.

 Dashboard Prediction Profiles My game management Logout

Predict Injury Risk

Name:

Age:

Height in inches:

Weight in pounds:

Position:

Games played:

Minutes played:

Field goals attempted:

Three point field goals attempted:

Free throws attempted:

Steals:

Blocks:

Fouls:

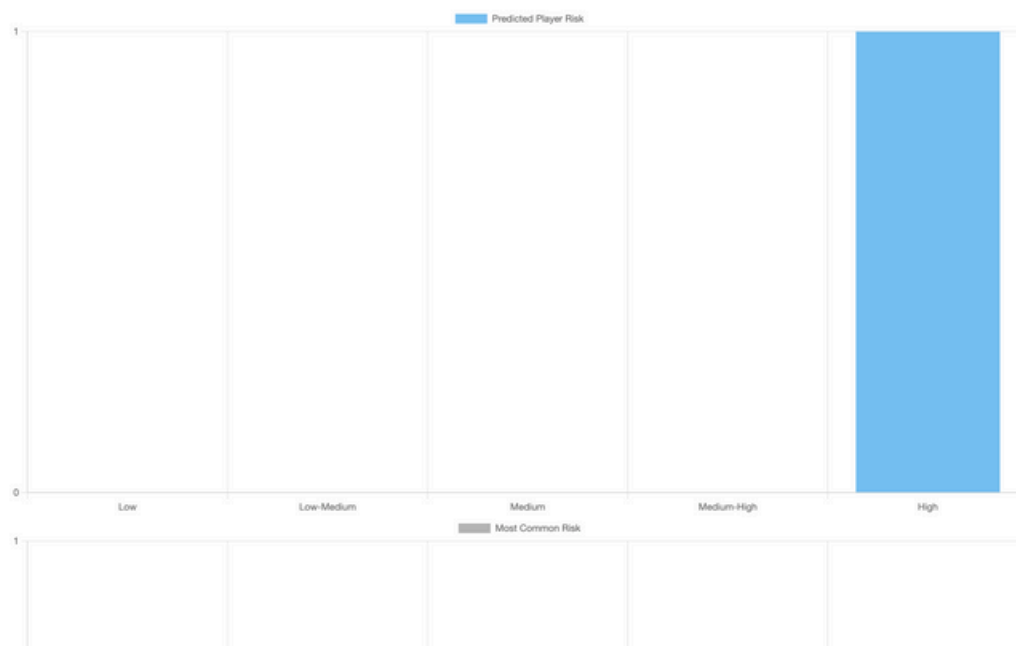
Total injuries:

Most common injury:

Injury Risk Prediction:

High risk based on player stats.

The most common injury risk in the system is: **None**




To refresh prediction, click "New Prediction" which will bring you back to the Prediction page with empty fields for inputting again. If satisfied, click on "Save to Profile".

The image shows a prediction interface with a horizontal bar at the top. The bar is divided into five segments labeled 'Low', 'Low-Medium', 'Medium', 'Medium-High', and 'High'. The 'High' segment is highlighted in blue. Below the bar, there are two buttons: 'Save to Profile' and 'New Prediction'.

Step 5: Profiles Page (Profile Picture, Performance Statistics, and Injury History portion) – User will see the first player added in the Profiles page if "Save to Profile" had been clicked on from the Prediction page. Click on the name of the player.


The image shows the PlayAnalytics dashboard. The header includes the PlayAnalytics logo, navigation links for 'Dashboard', 'Prediction', and 'Profiles', and user information 'Hi, juankatigbak' with a 'Logout' link. The main content area is titled 'All Player Profiles' and features an 'Add New Player' button. Below this, a player profile is displayed for 'Juan Dela Cruz' with a 'High' risk level.

Once the user is in the Profile page of the player, click "Edit Player" so user is transported to the edit part of the player's profile.

 PlayAnalytics

Dashboard Prediction Profiles

Hi, juankatigbak Logout



Juan Dela Cruz

Position: Forward

Age: 35

Height: 70.0 inches

Weight: 210.0 lbs

Predicted Injury Risk: High

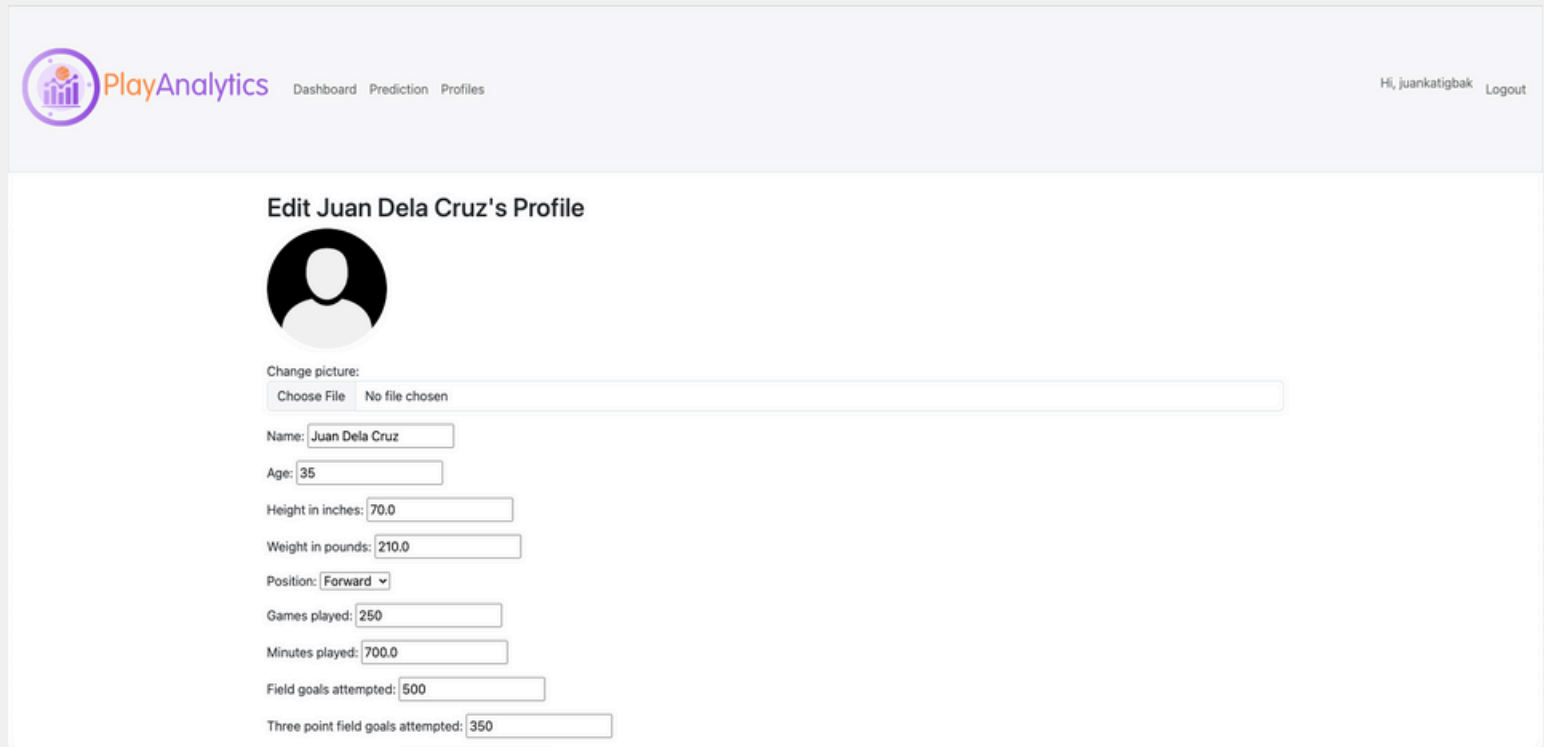
Total Injuries: 2

Most Common Injury: Achilles

[Edit Player](#) [Delete Player](#)

Notes:

Once there, the user can add a profile photo (which the user will see by clicking on "Choose File" and selecting a photo wherever it is located in the user's computer), and/or edit stats (note: editing performance stats does not change the predicted risk label per se but the user can change the label as long as it is inputted as either "Low", "Low-Medium", "Medium", "Medium-High", or "High" which will affect the charts in the Dashboard page that the user will be able to see. If user does not input it in those predicted risk labels, the charts in the Dashboard page will not show). If satisfied with changes, click "Save Changes", otherwise, click "Cancel". If user wants to delete the profile of the player, simply click "Delete Player" and the player will disappear from the Profile page and if that was the first one, the Profile page will be blank.



PlayAnalytics Dashboard Prediction Profiles Hi, juankatigbak Logout

Edit Juan Dela Cruz's Profile

Change picture:
Choose File No file chosen

Name: Juan Dela Cruz

Age: 35

Height in inches: 70.0

Weight in pounds: 210.0

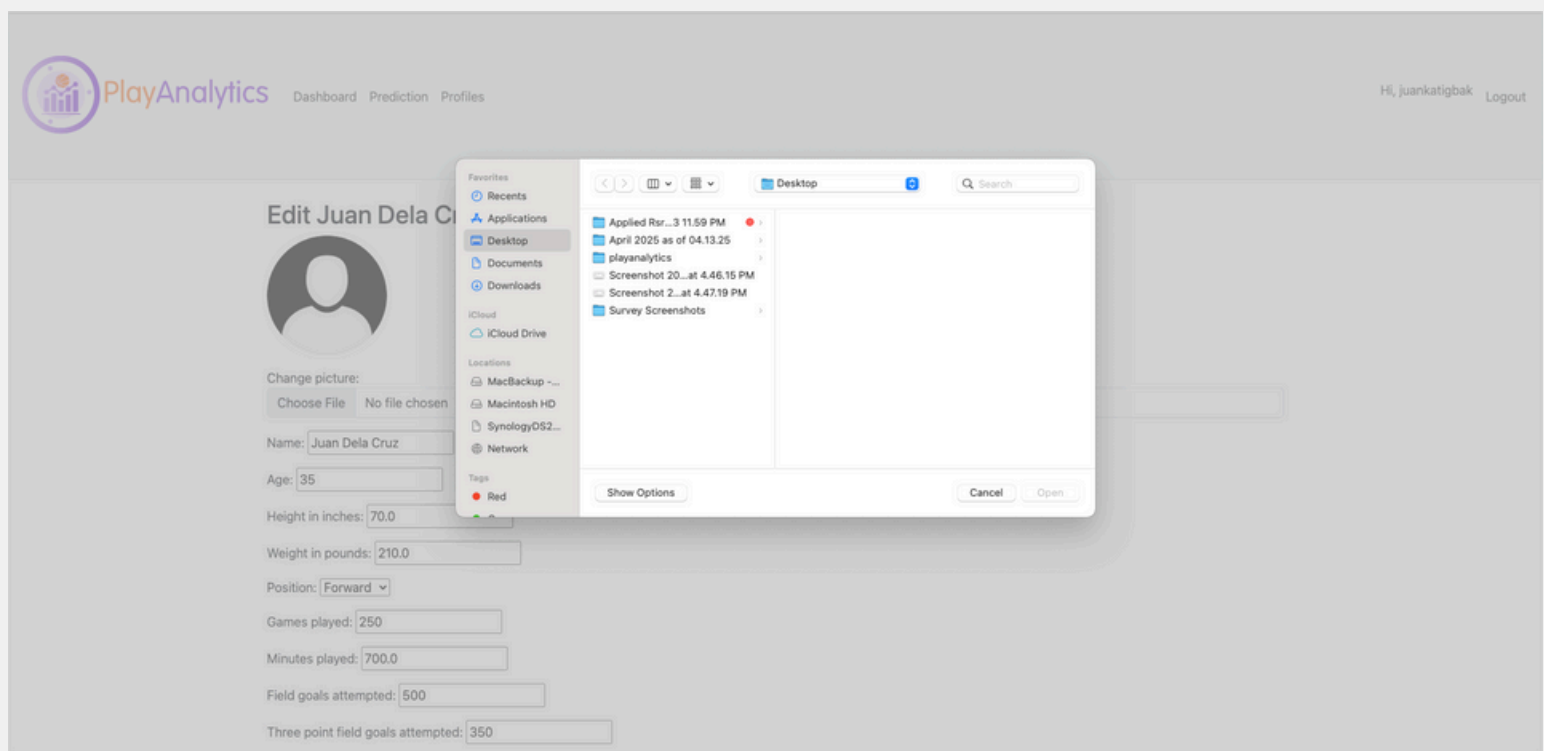
Position: Forward

Games played: 250

Minutes played: 700.0

Field goals attempted: 500

Three point field goals attempted: 350



PlayAnalytics Dashboard Prediction Profiles Hi, juankatigbak Logout

Edit Juan Dela Cruz's Profile

Change picture:
Choose File No file chosen

Name: Juan Dela Cruz

Age: 35

Height in inches: 70.0

Weight in pounds: 210.0

Position: Forward

Games played: 250


Minutes played: 700.0

Field goals attempted: 500

Three point field goals attempted: 350

File Selection Dialog (Desktop):

- Applied Rsr...3 11:59 PM
- April 2025 as of 04.13.25
- playanalytics
- Screenshot 20...at 4.46.15 PM
- Screenshot 2...at 4.47.19 PM
- Survey Screenshots



Change picture:
Choose File No file chosen

Name: Juan Dela Cruz

Age: 35

Height in inches: 70.0

Weight in pounds: 210.0

Position: Forward ▾

Games played: 250

Minutes played: 700.0

Field goals attempted: 500

Three point field goals attempted: 350

Free throws attempted: 250

Steals: 100

Blocks: 100

Fouls: 100

Predicted risk label: High

Total injuries: 2

Most common injury: Achilles ▾

Save Changes Cancel

User can also bypass the Prediction page if he/she simply wants to add a player and go from there which is done by going back to the Profiles page and clicking "Add New Player". Input fields for Add New Player are the same as Edit Player.

Add New Player

Name:

Age:

Height in inches:

Weight in pounds:

Position:

Games played:

Minutes played:

Field goals attempted:

Three point field goals attempted:

Free throws attempted:

Steals:

Blocks:

Fouls:

Predicted risk label:


Total injuries: 0

Most common injury:

Change picture:
Choose File No file chosen

Save Player

Step 6: Profiles Page (Notes portion) – User can also add notes in the Notes field. Simply write any note (like performance from a previous game, injury that took place, rehabilitation progress since injury, training regimen, food diary, journal log, thoughts at the moment, et cetera) and click on "Add Note". Entry of note will show below with date and time when note was created. To edit note if user wishes to add anything to the entry, click "Edit" and edit anything in the note field. Once satisfied, click "Save Changes" otherwise, click "Cancel". If user wants to delete the entry of note, click "Delete".



Juan Dela Cruz
Position: Forward
Age: 35
Height: 70.0 inches
Weight: 210.0 lbs
Predicted Injury Risk: High
Total Injuries: 2
Most Common Injury: Achilles

Edit Player Delete Player

Notes:

Training for Monday, April 14, 2025:

- Barbell Squats
- Shoulder Press
- Deadlifts

Add Note

No notes yet for this player.

Juan Dela Cruz
Position: Forward
Age: 35
Height: 70.0 inches
Weight: 210.0 lbs
Predicted Injury Risk: High
Total Injuries: 2
Most Common Injury: Achilles


Edit Player Delete Player

Notes:

Add Note

Apr 13, 2025 17:04
Training for Monday, April 14, 2025: - Barbell Squats - Shoulder Press - Deadlifts

Edit Delete

 PlayAnalytics Dashboard Prediction Profiles

Hi, juankatigbak Logout

Edit Note

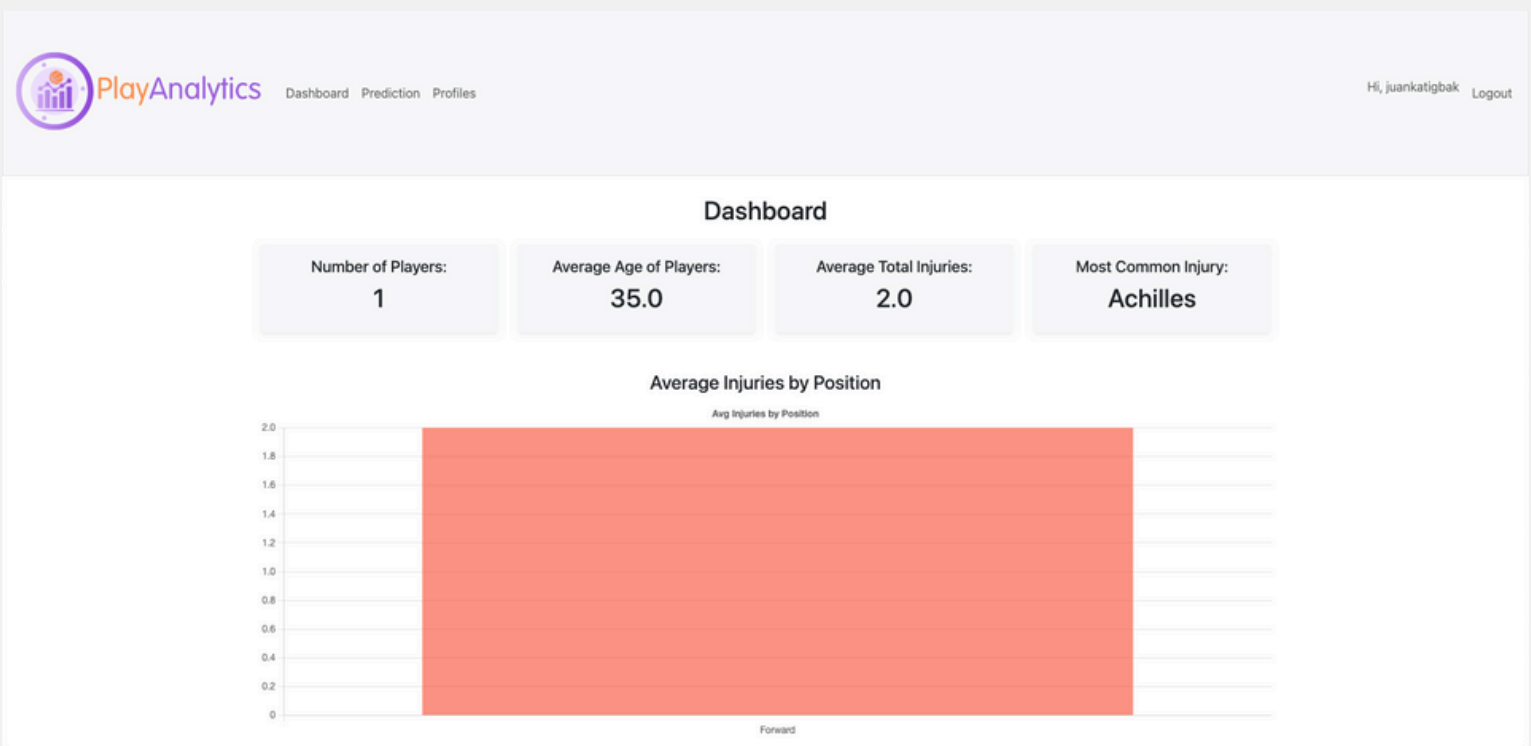
Training for Monday, April 14, 2025:

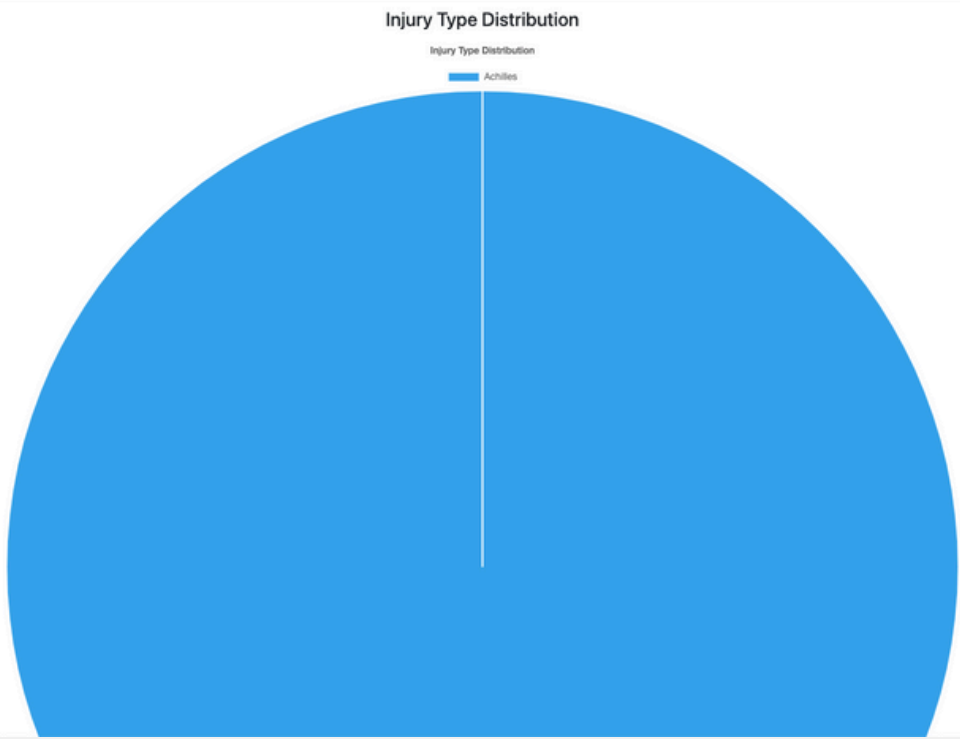
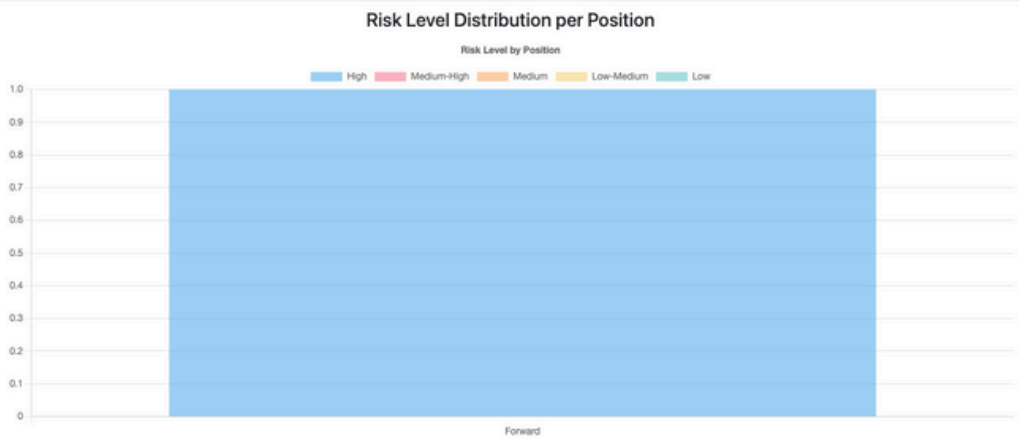
- Barbell Squats
- Shoulder Press
- Deadlifts

Text:

Save ChangesCancel

Step 7: Dashboard Page (again) – Visuals and summary indicators update in real-time as more data is added.





Note: Keep adding player data to enrich the dashboard insights and track trends.