



Highland Rim Basketball Stats App

Client User Guide (For Coaches and Staff)

Spring 2025 Software Engineering Project

What is this App?

This app was created to help the Highland Rim Boys and Girls Basketball Team easily track stats during games and practices using a tablet or computer. It replaces paper tracking with a cleaner, faster, and more organized system.

You can use it to:

- Record shots and game events in real time
- Track individual player stats
- See top performers from each game
- Export your data to files for later review

There is no installation needed — just open it in your browser.

How to Access the App

You can use the app on any tablet, laptop, or desktop using a browser like Chrome, Safari, or Microsoft Edge.

Open the app here:

<https://nestanalytics.duckdns.org>

Tip: Bookmark the link or add it to your tablet's home screen for quick access.

Logging In & Registering (First-Time Setup)

First-Time Users: How to Register

1. On the login page, tap "Register" below the login form.
2. Fill out the form:
 - Username: Choose a login name
 - Password: Create a secure password
 - Confirm Password: Type the same password again
 - Role: Choose your role (Coach, Assistant, etc.)
 - School: Select "Highland Rim"
3. Click Submit to create your account.

After registering, you will be logged in and taken to the Home Page.

Returning Users: How to Log In

1. Enter your username and password
2. Click Submit to log in

If successful, you'll land on the Home Page.

Home Page

After logging in, you'll see 5 big cards that take you to different parts of the app:

Page	What it does
Practice	
Game	Start a new game or load past games
Player Stats	View stats for a specific player
Team Stats	See top team performers & shot charts
Settings	Export stats or start a new season

Game Page

Use this page during live games.

Starting a New Game

1. Tap "Create New Game"
2. Enter opponent name, upload a logo (optional), and choose Home/Away
3. Press Submit to start recording

Loading an Existing Game

1. Tap "Load Existing Game"
2. Pick a game from the list (saved games)
3. Resume recording stats or review past data

Practice Page

Use this page for team practices.

- Works just like the Game Page
- Keeps game and practice stats separate
- Helps track progress in drills and training

Player Stats Page

View individual player performance.

You can:

- Select a player from a dropdown
- Choose Game or Practice mode
- Pick a date/season
- See stats like points, FG%, assists, steals, etc.
- View shot charts
- See average tempo for offense and defense

Team Stats Page

Get a full view of your team's performance.

You can:

- Choose season and game type (game/practice)
- View team leaders in points, rebounds, assists, etc.
- See bar charts of shots by court zone
- Check average team tempo

Settings Page

This page gives you tools to manage the app's data.

Features:

- Export JSON: Download raw stat data
- Export CSV: Download spreadsheet-ready data
- Create New Season: Clear stats and reset the app for a new season

Exporting Data

From the Settings Page, tap:

- Export JSON: For raw backups
- Export CSV: For use in Excel or Google Sheets

These files help with analysis, reporting, or saving team records.

Troubleshooting Tips

Issue	Try this:
App won't load	Refresh the browser and check Wi-Fi
Login Issues	Recheck username/password or contact tech lead
Page not working	Close tab, reopen, or switch to another browser
Stats not showing	Make sure the right game/practice and season is selected