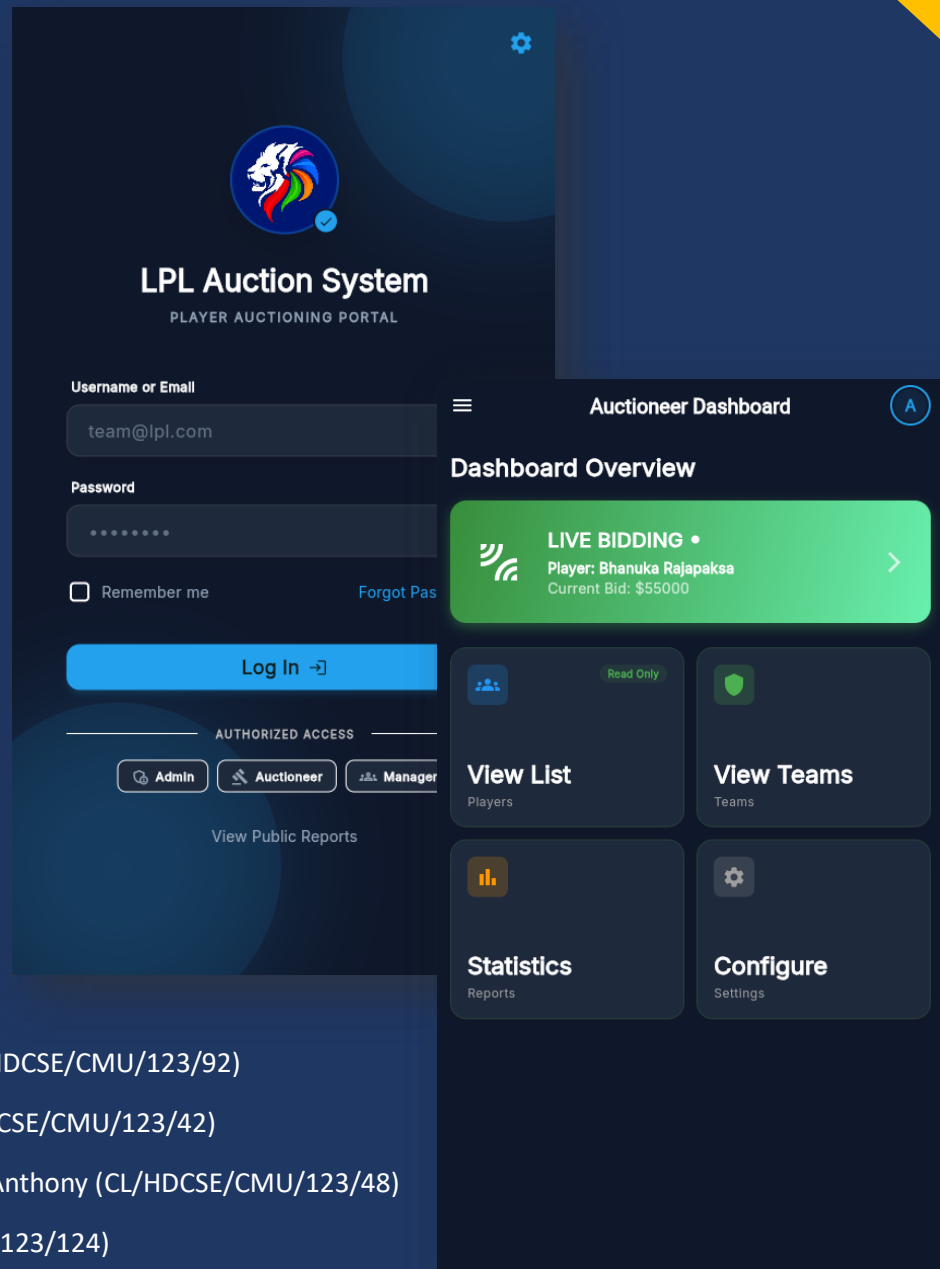


AUCTIONING SYSTEM FOR LPL



By

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User Manual

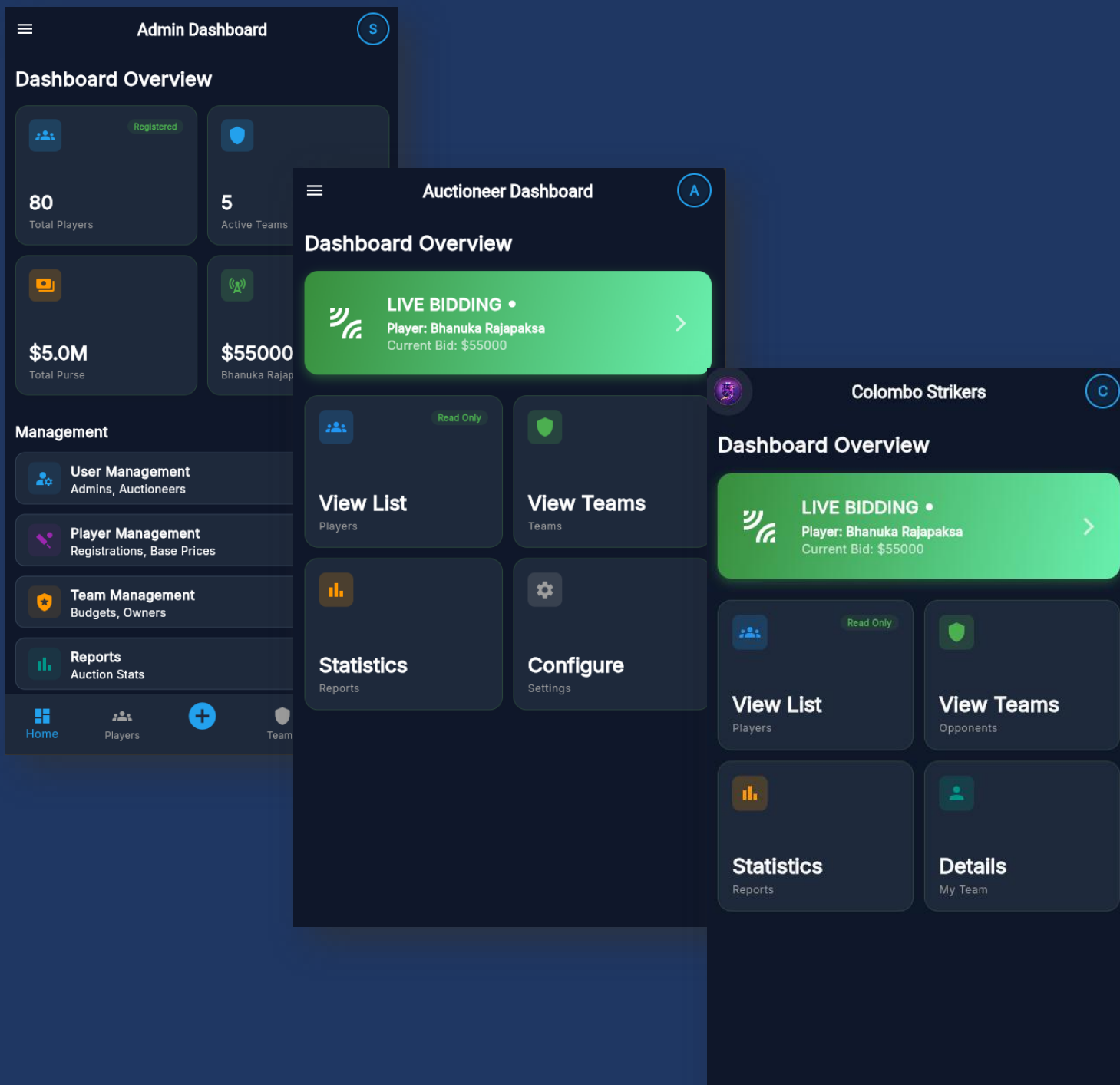
FEB 2024

1. Introduction

This user manual provides step-by-step guidance on how to use the **Cricket Players Auctioning System for the Lanka Premier League (LPL)**. The system is designed to automate the player auction process by enabling secure authentication, real-time bidding, budget management, and auction control through a mobile-based application supported by a backend server.

This manual is intended for:

- System Administrators
- Auctioneers
- Franchise Team Managers



2. System Requirements

Hardware Requirements

- Android mobile device or Android emulator
- Minimum 16GB RAM recommended for development/testing machines

Software Requirements

- Android OS (latest stable version recommended)
- Flutter mobile application
- Backend server running on Node.js
- MySQL database server
- Internet connection for real-time bidding

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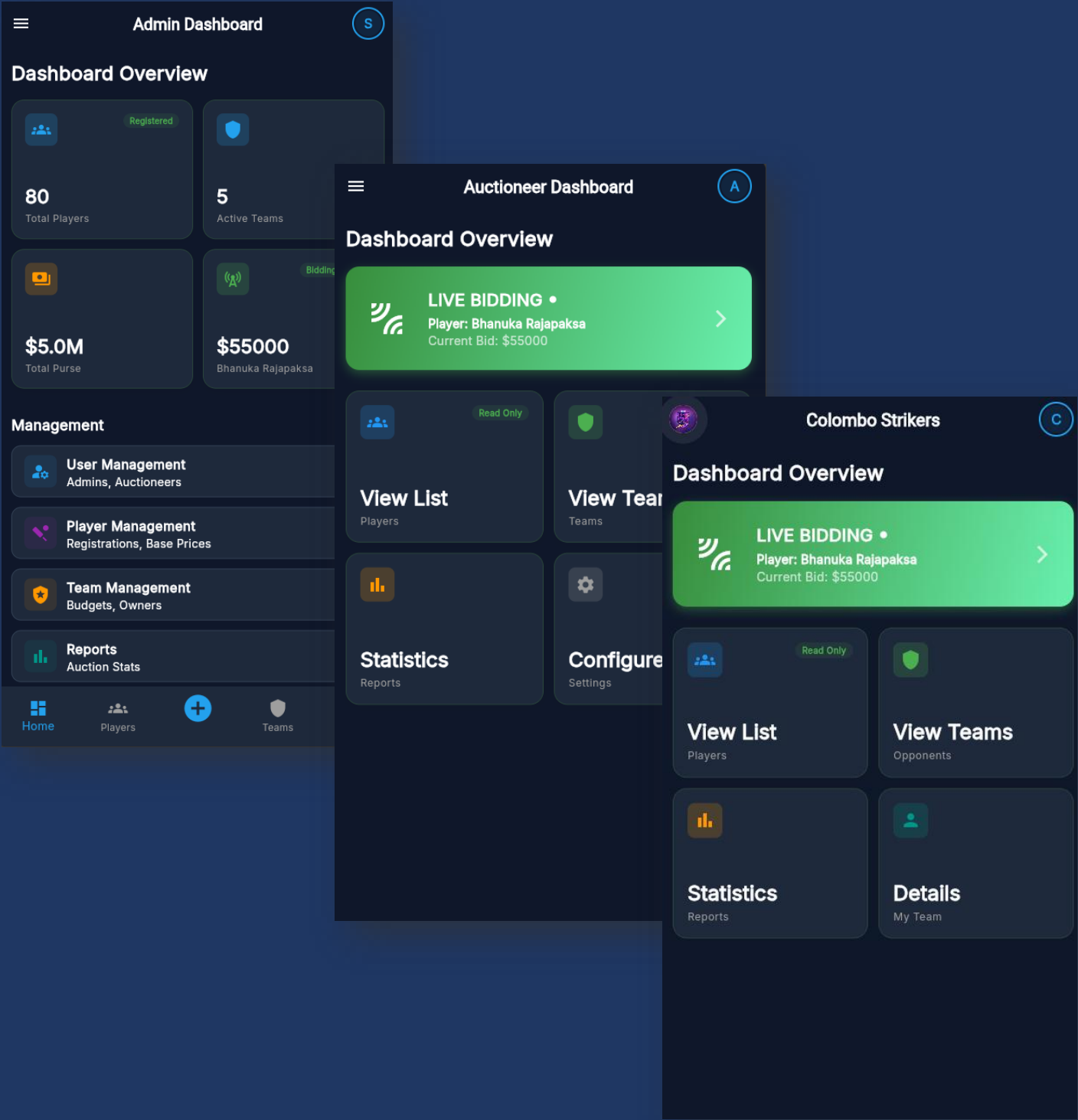
player_id	name	role	country	base_price	status	sold_price	image_url
1	Wanindu Hasaranga	ALL_ROUND	Sri Lanka	100000.00	UNSOLD		https://media.gettyimages.com/54/2155432491/photo/sri-lanka-port
2	Babar Azam	BATSMAN	Pakistan	120000.00	UNSOLD		https://s33.cricketcountry.com/wp-content/uploads/2024/02/Babar-A
3	David Miller	BATSMAN	South Africa	110000.00	UNSOLD		https://c.cricketpakistan.com.pk/images/posts/covers/17199026909
4	Shakib Al Hasan	ALL_ROUND	Bangladesh	100000.00	UNSOLD		https://cricketaddictor.com/images/2024/5/shakib2020WC.webp?g=80
5	Dasun Shanaka	ALL_ROUND	Sri Lanka	80000.00	UNSOLD		https://adaderanaenglish.s3.amazonaws.com/1654970667-Dasun-S
6	Pathum Nissanka	BATSMAN	Sri Lanka	70000.00	UNSOLD		https://sri.lanka.cricet.k&storage/2024/02/Pathum-Nissanka-100-run
7	Charith Asalanka	BATSMAN	Sri Lanka	65000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRA#av17
8	Kusal Perera	WICKET_KEEPER	Sri Lanka	75000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQ906Tog
9	Kusal Mendis	WICKET_KEEPER	Sri Lanka	75000.00	UNSOLD		https://sri.lanka.cricet.k&storage/2023/07/Copy-of-Kusal-Mendis-50
10	Angelo Mathews	ALL_ROUND	Sri Lanka	50000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcEs-vn4
11	Dhananjaya de Silva	ALL_ROUND	Sri Lanka	60000.00	UNSOLD		https://AO.wp.com/crictoday.com/wp-content/uploads/2023/06/163
12	Maheesh Theekshana	BOWLER	Sri Lanka	80000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQeH0Q
13	Maheesha Pathirana	BOWLER	Sri Lanka	75000.00	UNSOLD		https://www.newswire.k&wp-content/uploads/2024/05/Screenshot
14	Dilshan Madushanka	BOWLER	Sri Lanka	65000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcQ4Eim
15	Dushmantha Cham...	BOWLER	Sri Lanka	70000.00	UNSOLD		https://www.thepapare.com/wp-content/uploads/Dushmantha-Cha
16	Kasun Rajitha	BOWLER	Sri Lanka	50000.00	UNSOLD		https://sri.lanka.cricet.k&storage/2022/12/Copy-of-Kasun-Rajitha-c
17	Chamika Karunaratne	ALL_ROUND	Sri Lanka	55000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRTU3U7P
18	Avishka Fernando	BATSMAN	Sri Lanka	60000.00	UNSOLD		https://sri.lanka.cricet.k&storage/2023/07/Avishka-Fernando-for-Sri
19	Sadeera Samaravir...	WICKET_KEEPER	Sri Lanka	55000.00	UNSOLD		https://img1.hscdn.com/image/upload/f_auto,foc/db/PICTURES/CH
20	Dunith Wellalage	ALL_ROUND	Sri Lanka	40000.00	UNSOLD		https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcSRz6RBL

```
PS D:\Users\User\Downloads\LPL Auction System\server> node index.js
[dotenv@17.2.3] injecting env (6) from .env -- tip: 🌀 load multiple .env files with { path: ['.env.local', '.env'] }
[dotenv@17.2.3] injecting env (0) from .env -- tip: 🌀 override existing env vars with { override: true }
Database connected!
Server running on port 5000
```

3. User Roles and Permissions

Role	Description
Administrator	Manages users, players, and system configuration
Auctioneer	Controls auction flow and bidding rounds
Team Manager	Participates in bidding and manages team budget

Each user is granted access only to features relevant to their role.



4. System Access and Login

4.1 Launching the Application

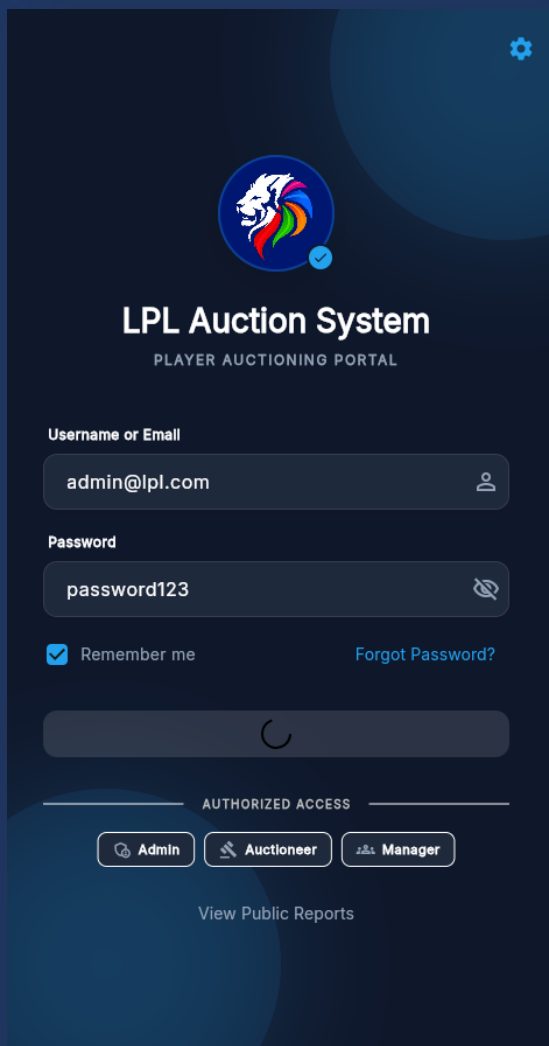
1. Open the Cricket Players Auctioning System mobile application.
2. Ensure the backend server is running and connected.

4.2 User Login

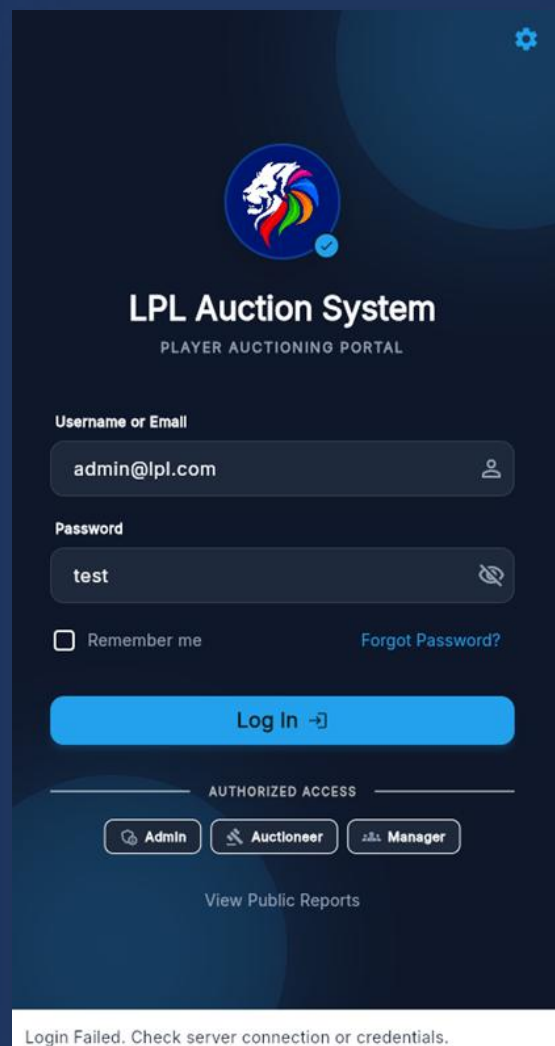
1. Enter registered email address.
2. Enter password.
3. Tap the **Login** button.
4. Upon successful authentication, the user is redirected to the relevant dashboard.

Error Handling:

- Invalid credentials will display an error message.
- Unauthorized users cannot access the system.



The screenshot shows the LPL Auction System login interface. At the top is a logo of a lion's head with a rainbow mane. Below it, the text "LPL Auction System" and "PLAYER AUCTIONING PORTAL" are displayed. The login form includes a "Username or Email" field with "admin@lpl.com", a "Password" field with "password123", a checked "Remember me" checkbox, and a "Forgot Password?" link. A loading spinner is visible below the password field. Under the "AUTHORIZED ACCESS" section, there are three buttons: "Admin", "Auctioneer", and "Manager". At the bottom, there is a link to "View Public Reports".



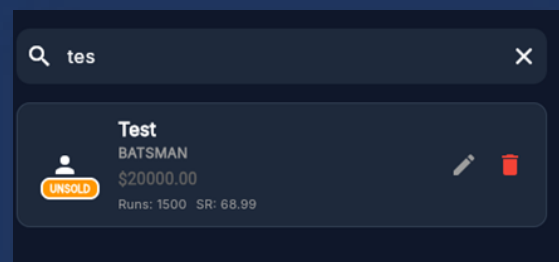
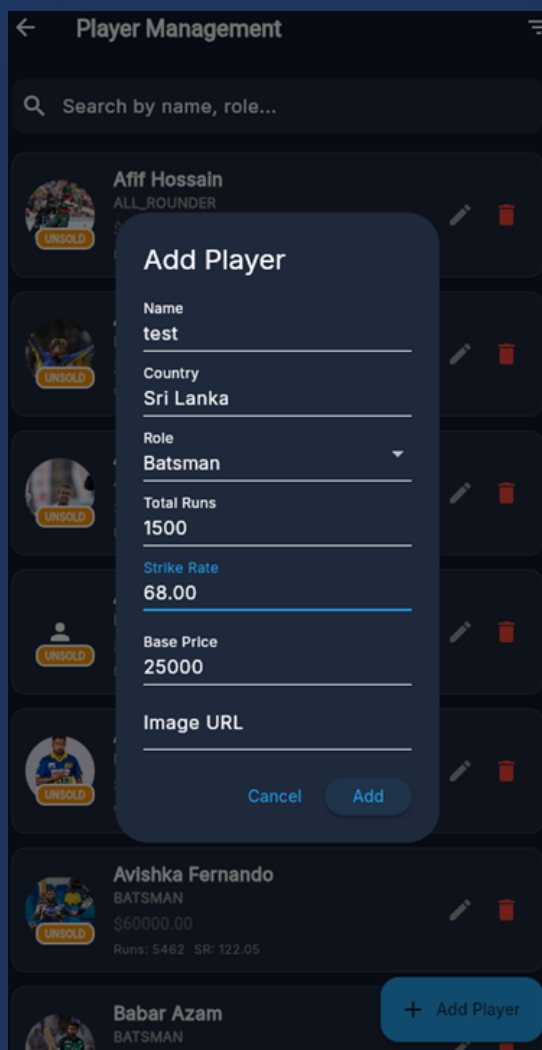
This screenshot shows the same LPL Auction System login interface, but with a login failure. The "Username or Email" field contains "admin@lpl.com" and the "Password" field contains "test". The "Remember me" checkbox is unchecked. A prominent blue "Log In" button is visible. Below the "AUTHORIZED ACCESS" section, the same "Admin", "Auctioneer", and "Manager" buttons are present, along with the "View Public Reports" link. At the bottom of the screen, a white error message states: "Login Failed. Check server connection or credentials."

5. Administrator Functions

5.1 Player Management

1. Log in as Administrator.
2. Navigate to **Player Management**.
3. Click **Add Player**.
4. Enter:
 - Player name
 - Player role
 - Base price
5. Save the player details.

The added player will be stored in the database and made available for auction.



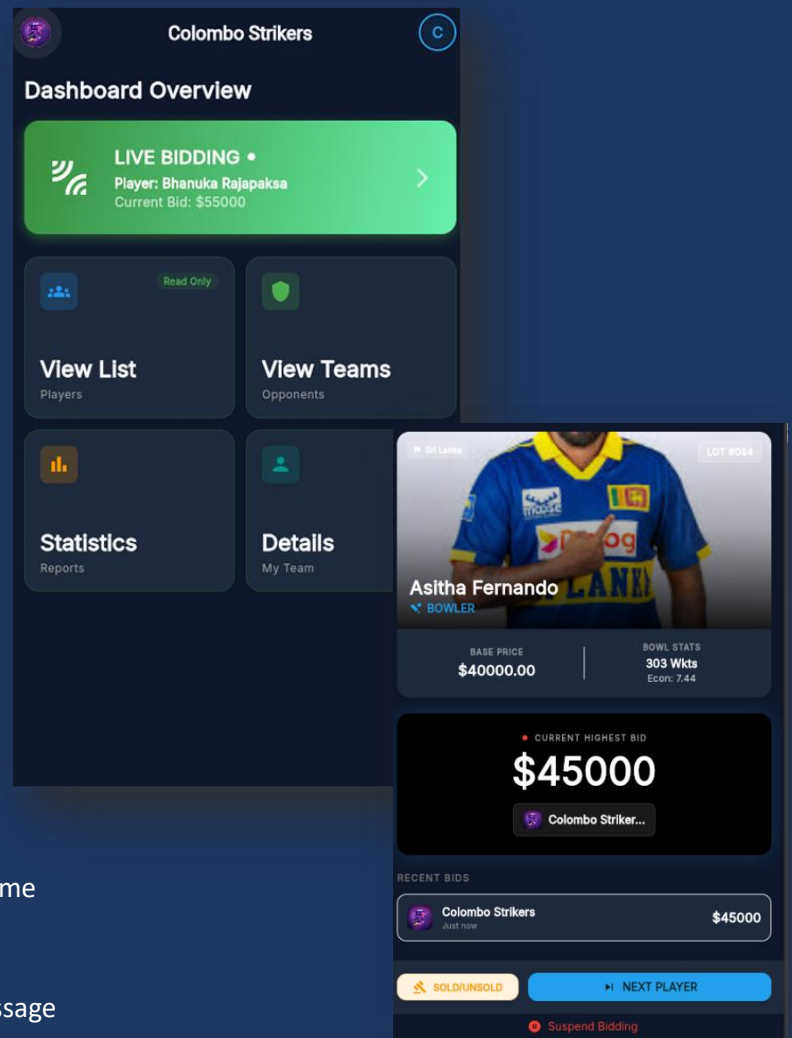
6. Team Manager Functions

6.1 Viewing Team Dashboard

1. Log in as Team Manager.
2. The dashboard displays:
 - Total team budget
 - Remaining budget
 - Purchased players

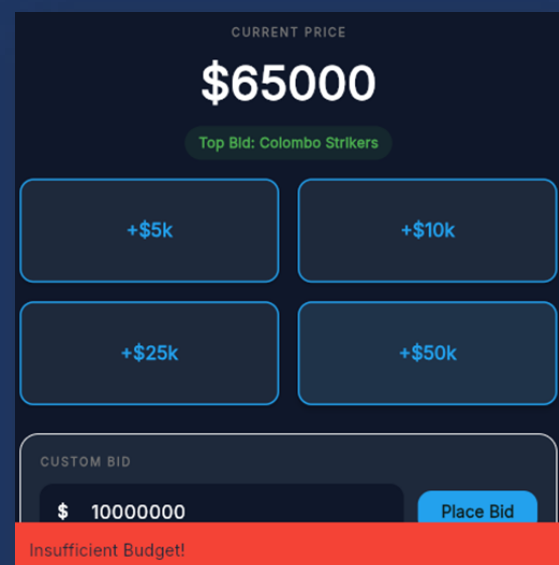
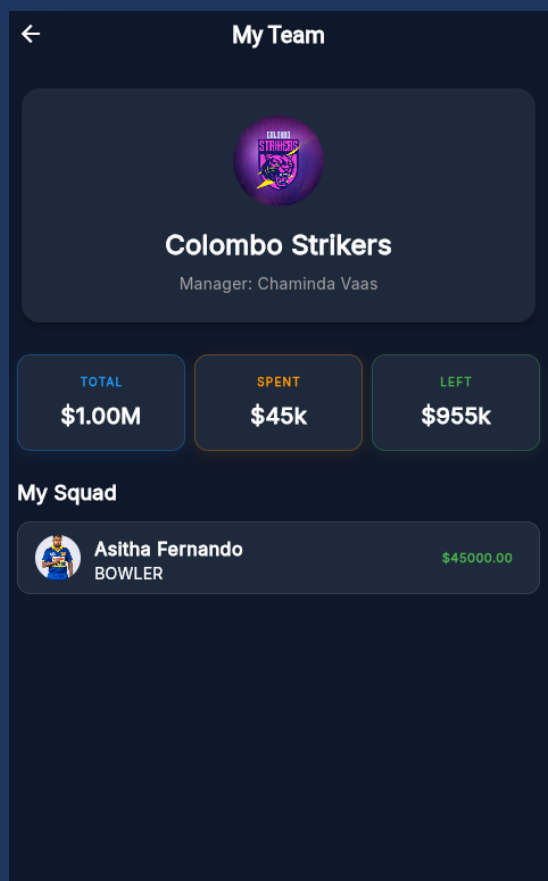
6.2 Placing a Bid

1. Navigate to the **Live Auction** screen.
2. Enter bid amount.
3. Click **Place Bid**.
4. If valid:
 - Bid is accepted
 - Highest bid updates in real time
5. If invalid:
 - System displays an error message



Note:

Bids exceeding remaining budget or lower than the current highest bid are automatically rejected.



7. Auctioneer Functions

7.1 Starting an Auction

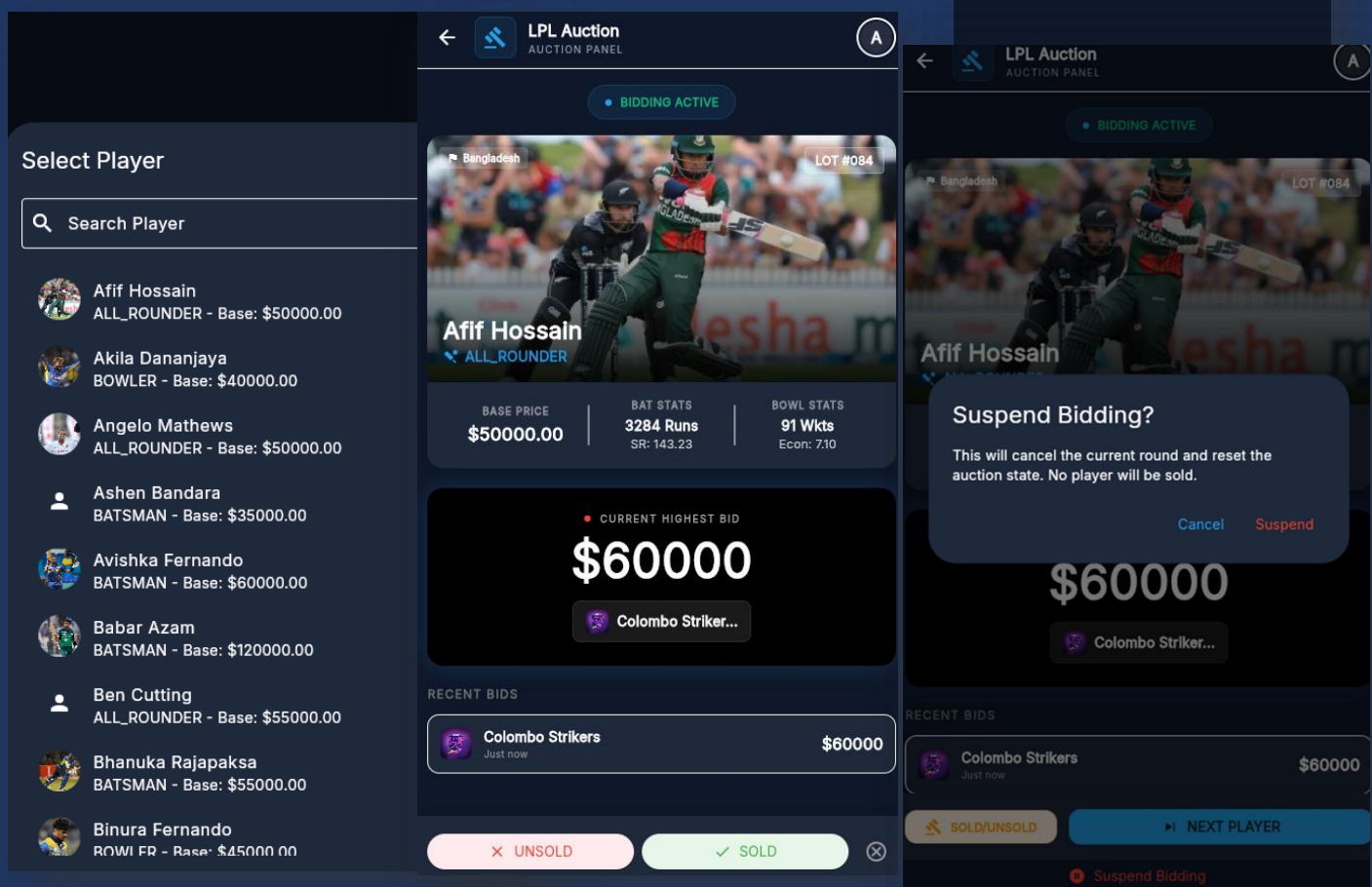
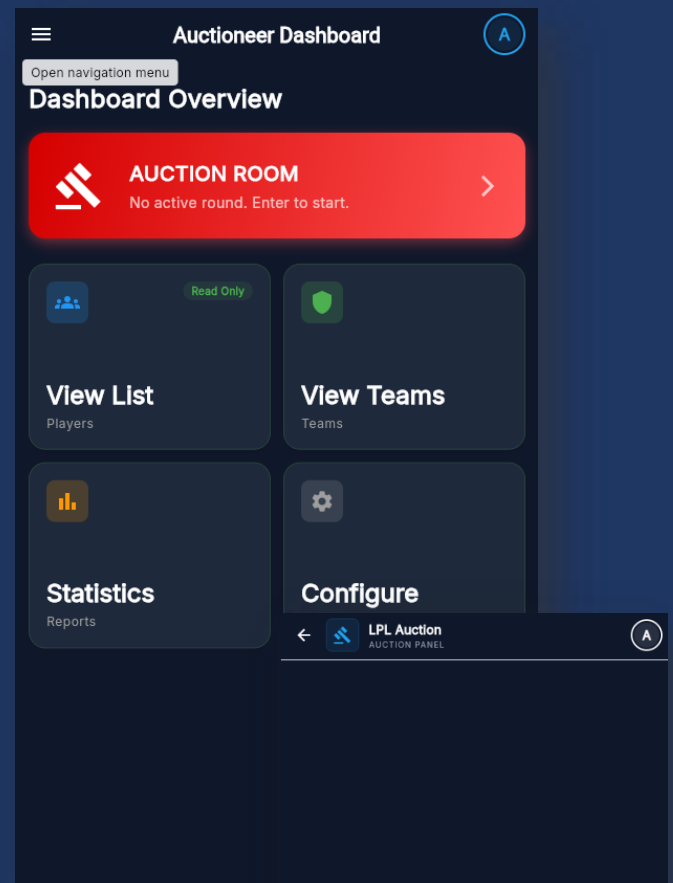
1. Log in as Auctioneer.
2. Select a player for auction.
3. Click **Start Auction**.
4. Bidding becomes active for all team managers.

7.2 Monitoring Bids

- Auctioneer can view:
 - Current highest bid
 - Bidding team
 - Real-time bid updates

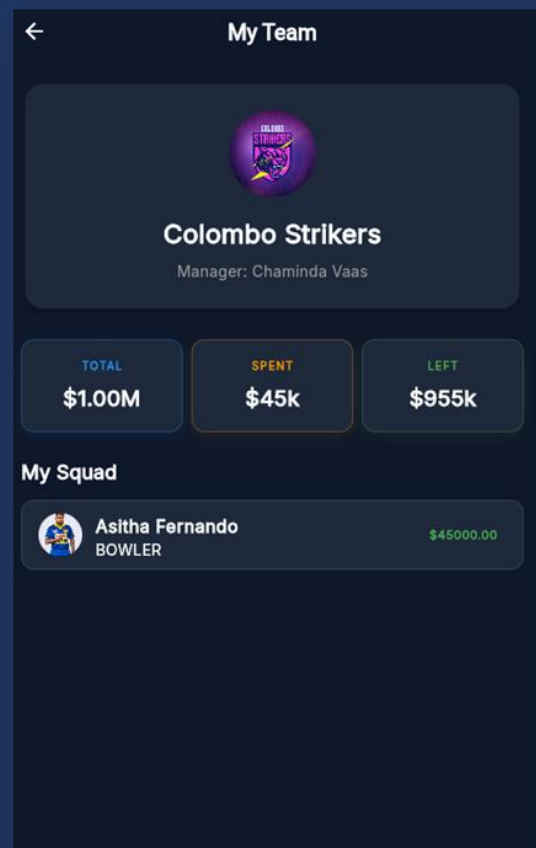
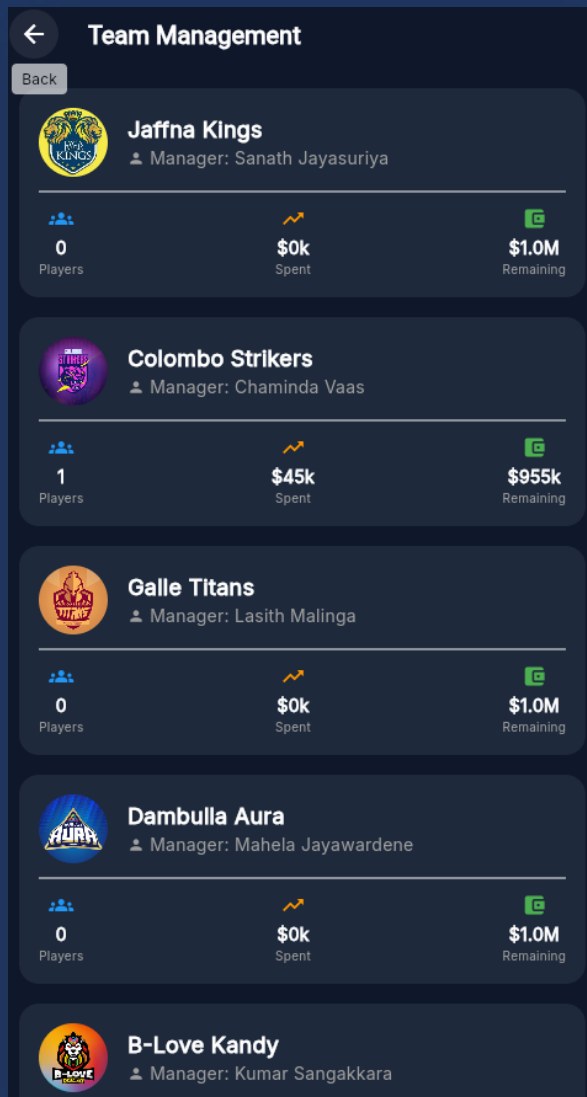
7.3 Stopping the Auction

1. Click **Stop Auction**.
2. The system:
 - Assigns the player to the highest bidding team
 - Updates team budget
 - Stores auction results



8. Budget Management

- Each team is assigned a fixed budget.
- The system automatically:
 - Deducts bid value from remaining budget
 - Prevents overspending
- Budget updates occur instantly after each successful bid.



9. Auction Results and Data Storage

After an auction round:

- Player is assigned to the winning team
- Bid details are stored in the database
- Auction history is available for reporting and auditing


←

Player Management

☰

🔍

Search by name, role...



Afif Hossain


ALL_ROUNDER

\$65000.00

(Sold)

• Colombo Strikers

Runs: 3284 SR: 143.23 Wkts: 91 Econ: 7.10




Akila Dananjaya

BOWLER

\$40000.00

UN SOLD

Wkts: 337 Econ: 8.44




Angelo Mathews

ALL_ROUNDER

\$50000.00

UN SOLD

Runs: 4022 SR: 148.38 Wkts: 194 Econ: 7.71




Ashen Bandara

BATSMAN

\$35000.00

UN SOLD

Runs: 9921 SR: 130.08



Asitha Fernando


BOWLER

\$45000.00

(Sold)

• Colombo Strikers

Wkts: 303 Econ: 7.44




Avishka Fernando

BATSMAN

\$60000.00

UN SOLD

Runs: 5462 SR: 122.05



Babar Azam


←

Auction Reports

☰

Auction Summary


LPL 2025



+12% vs LY

\$0.1M

Total Spent



2

Players Sold

Recent Buys

Afif Hossain

ALL_ROUNDER

\$65000.00

Colombo Strikers

Asitha Fernando

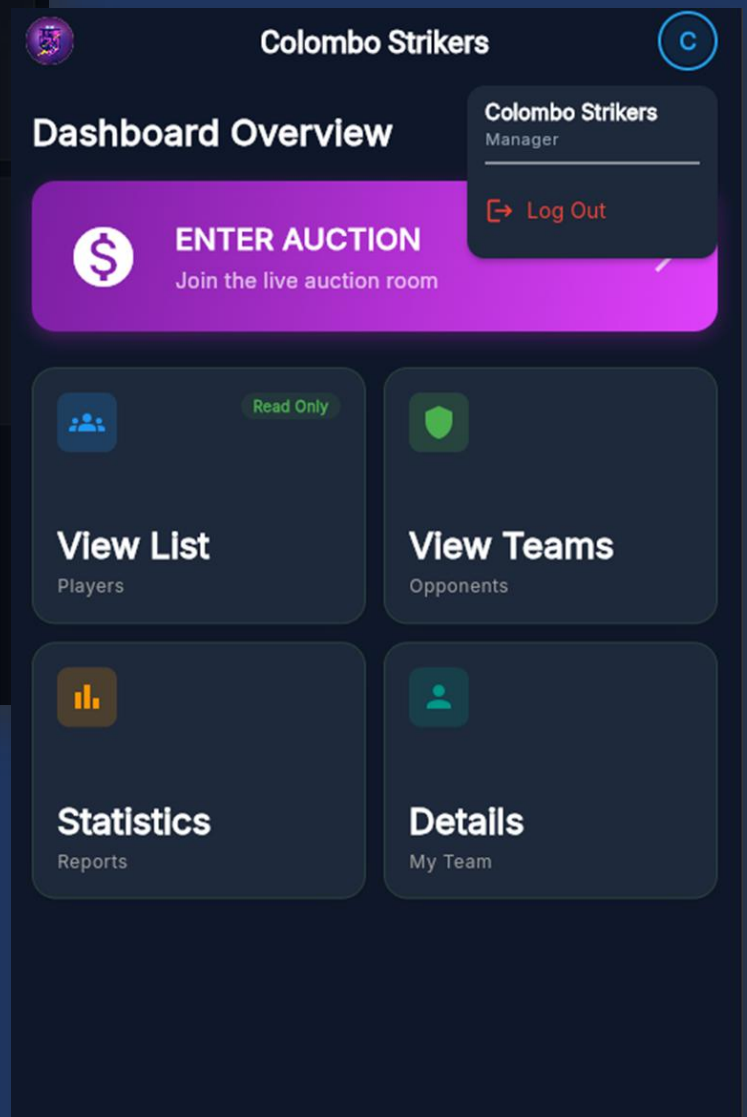
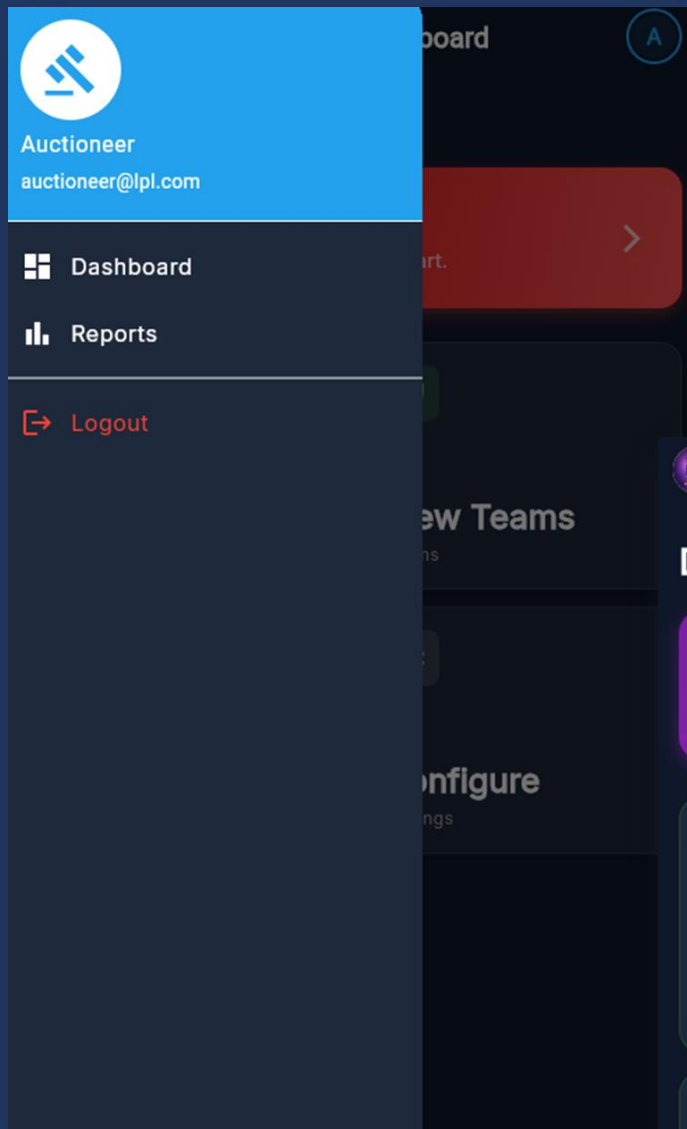
BOWLER

\$45000.00

Colombo Strikers

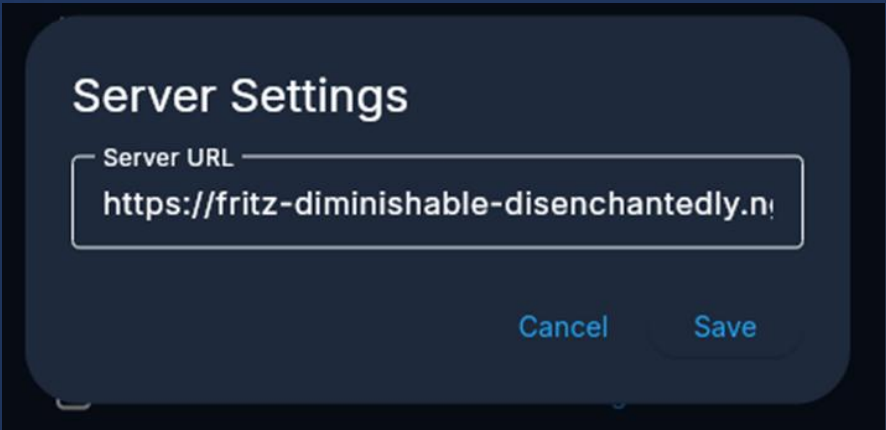
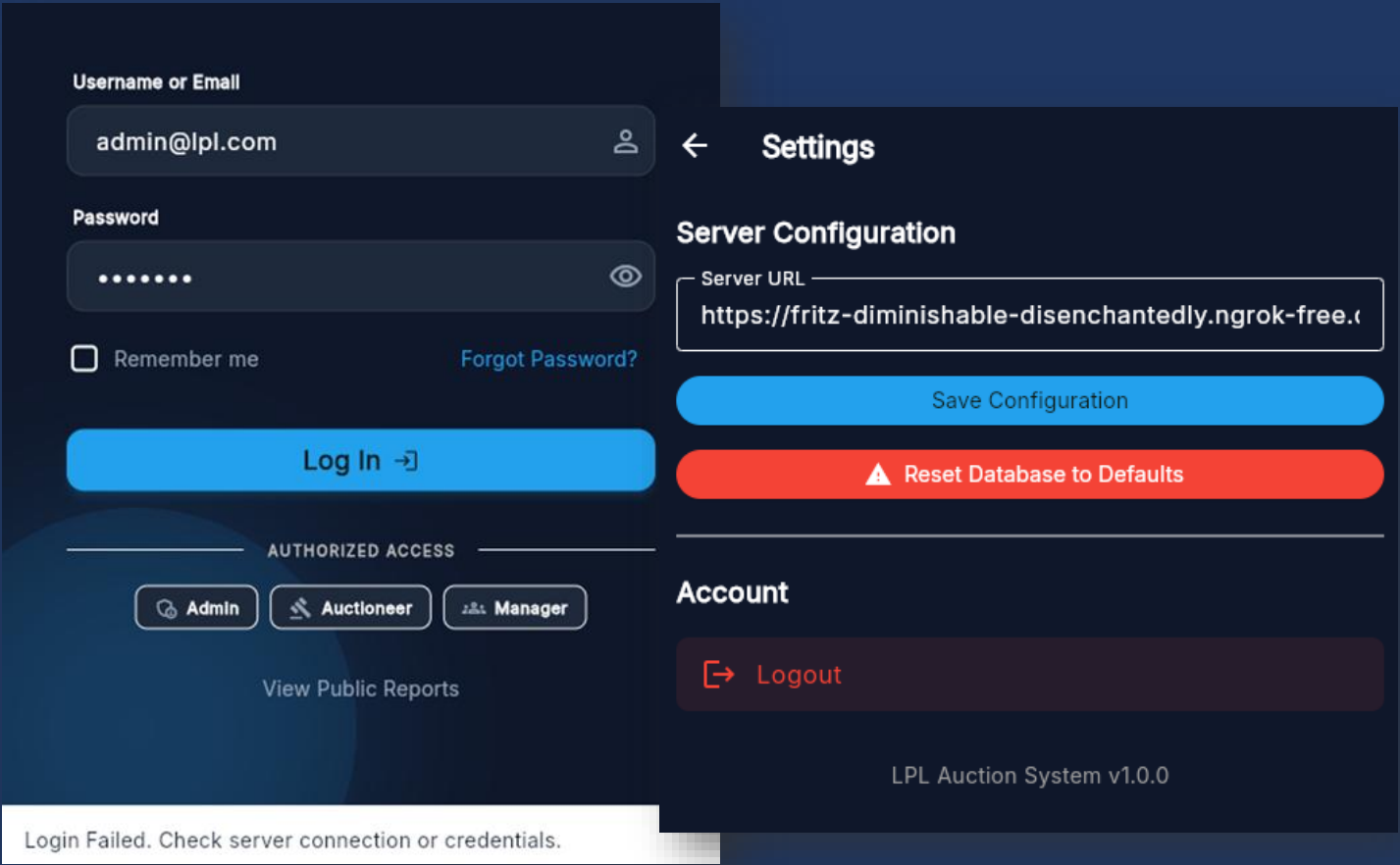
10. Logout Procedure

1. Click **Logout** from the dashboard.
2. User session is terminated.
3. User is redirected to the login screen.



11. Error Messages and Troubleshooting

Issue	Possible Cause	Solution
Login failed	Incorrect credentials	Verify email and password
Bid rejected	Budget exceeded	Check remaining budget
No real-time updates	Server not running	Restart backend server
App not loading	Network issue	Check internet connection



12. Security Features

- Role-based access control
- Secure authentication
- Session handling
- Server-side bid validation

These features ensure system integrity and fair auction operations.

13. Conclusion

This user manual outlines the complete operational flow of the Cricket Players Auctioning System. By following the provided steps, users can efficiently conduct player auctions with improved accuracy, transparency, and speed compared to traditional manual processes. The system is user-friendly and designed to support real-time decision-making during auction events.

