

# GROUPO

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## Functional Requirements:

### 1. User Registration and Authentication:

- Allow users to register and create accounts.
- Implement secure authentication mechanisms like email verification, mobile OTP (One-Time Password), or social media login.

### 2. Fantasy Sports Contests:

- Provide a variety of sports such as cricket, football, basketball, etc.
- Allow users to create or join contests with different entry fees, prize pools, and formats.
- Implement team selection where users can choose players based on real-world matches.
- Define scoring rules for each sport and calculate points based on player performance.

### 3. Real-time Match Updates:

- Integrate with sports APIs or other data sources to get real-time match updates.
- Display live scores, player statistics, and other relevant information during the matches.
- Update users' fantasy teams based on the actual performance of selected players.

### 4. Payments and Wallet:

- Enable users to add funds to their wallets securely.
- Integrate with payment gateways to facilitate secure transactions.
- Implement withdrawal mechanisms to allow users to transfer their winnings to their bank accounts.

### 5. Leaderboards and Rankings:

- Maintain leaderboards to display rankings of users based on their performance in contests.
- Provide filters to view rankings based on different sports, time periods, etc.
- Offer rewards, badges, or achievements to users based on their rankings.

### 6. Notifications and Communication:

- Send push notifications to users regarding upcoming matches, contest updates, and results.
- Facilitate communication between users through chat features, forums, or messaging.

### 7. Admin Panel:

- Develop an intuitive admin panel to manage user accounts, contests, and finances.

- Monitor user activities and handle disputes or issues that may arise.
- Generate reports and analytics on user engagement, revenue, and other metrics.

#### 8. Privacy and Security:

- Implement security measures to protect user data and transactions.
- Comply with data protection regulations and ensure proper handling of personal information.
- Use encryption, secure APIs, and secure coding practices to mitigate potential vulnerabilities.

#### 9. Cross-platform Compatibility:

- Build applications for multiple platforms, such as web, iOS, and Android.
- Ensure a consistent user experience across different devices.

#### 10. Customer Support:

- Provide customer support channels like email, live chat, or a helpline to address user queries and concerns.
- Develop a robust ticketing system to manage user support requests effectively.

### **Product Backlog:**

#### 1. User Management:

- User registration with email, mobile OTP, and social media login.
- User profile creation and management.
- Account verification and password reset options.
- Privacy settings for personal information.

#### 2. Contest Creation and Management:

- Creation of contests with entry fees, prize pools, and contest formats.
- Selection of sports and match schedule for each contest.
- Team selection functionality with player budgets and position restrictions.
- Contest search and filtering options.

#### 3. Real-time Match Updates:

- Integration with sports APIs or data sources for live match scores, statistics, and player performance updates.
- Real-time match notifications for users.
- Display of upcoming matches and schedule.

#### 4. Scoring System:

- Definition and display of scoring rules for each sport.
- Calculation and update of points based on player performance.
- Leaderboard updates during matches.

#### 5. Payments and Wallet:

- Integration of secure payment gateways for adding funds to the user wallet.
- Wallet balance management and transaction history.
- Withdrawal requests and processing.

#### 6. Leaderboards and Rankings:

- Calculation and display of user rankings based on contest performance.
- Filtering and sorting options for rankings by sport, time period, etc.
- Rewards, badges, or achievements for top performers.

#### 7. Notifications and Communication:

- Push notifications for match updates, contest results, and upcoming matches.
- In-app chat or messaging feature for user communication.
- Forum or community for discussions.

#### 8. Admin Panel:

- User and contest management functionality for administrators.
- Financial management and transaction monitoring.
- Reporting and analytics on user activity, revenue, etc.

#### 9. Privacy and Security:

- Implementation of secure data encryption and storage.
- GDPR and data protection compliance features.
- Fraud detection and prevention mechanisms.

#### 10. Cross-platform Compatibility:

- Development of web application for desktop and mobile browsers.
- Native iOS and Android applications.

#### 11. Customer Support:

- Helpdesk or ticketing system for user support.
- Email, live chat, or helpline for customer assistance.

#### 12. Social Media Integration:

- Integration with social media platforms for sharing contest results and achievements.
- Social media login and account linking options.

#### 13. Advertisements and Sponsorships:

- Integration of advertisements and sponsorships in the application.
- Tracking and reporting of sponsorship engagements.