

Overview

The mobile application is designed to promote healthy living by providing health tips and blogs, while also engaging users through a betting feature based on physical activities (e.g., walking). Users can buy betting plans, compete with other users, and receive winnings in their bank accounts if they win the bet.

1. Key Features

A. Health Tips and Blogs

1. Health Tips Section:

- Daily health tips categorized by themes (nutrition, exercise, mental health).
- Push notifications for tips.
- Search and filter options for topics of interest.

2. Blog Section:

- Curated blogs on health-related topics.
- Ability to bookmark and share blogs.
- User comments section for discussions.

B. Betting Plans & Free plan

1. Create and Join Bets:

- Users can create a betting challenge or join an existing one.
- Betting themes: walking, running, cycling, etc.
- Set parameters: duration, distance, and entry fee.

2. Bet Tracking:

- Real-time tracking of participants' progress through wearable integrations or manual updates.
- Leaderboard for each bet.

3. Winning Amount:

- Pool entry fees and distribute winnings based on the rules of the bet.
- Secure withdrawal of winnings to users' bank accounts.

4. Plan Purchases:

- Purchase betting plans for create bet or join bet.

5. Free Plan:

- Every User can join this bet for free which is created by admin for month.
- Tracking is updating for users.
- User who are on top of leadership board will win.
- Winning amount is shown on this section.

C. Payment and Withdrawals

- Integration with payment gateways for:
 - Entry fee payments.
 - Winnings withdrawal.
- Support for multiple payment methods (UPI, credit/debit cards, wallets).

D. Social and Engagement Features

- Share achievements on social media.
- Notifications for new challenges and blogs.

2. User Roles

A. Regular Users

- Register, view health tips, and blogs.
- Participate in or create bets.
- Track progress and withdraw winnings.

B. Admin Users

- Manage health tips and blogs.
- Manage Subscription Plans.

- Manage Users.
 - Monitor betting activity and disputes.
 - Manage financial transactions.
 - Reports and Analytics
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3. Technical Architecture

A. Mobile Application (Frontend)

- 1. Frameworks:**
 - Flutter.
- 2. Features:**
 - Intuitive UI for viewing blogs and tips.
 - Seamless integration with fitness trackers (e.g., Fitbit, Google Fit, Apple Health).
 - Real-time updates for betting challenges.
- 3. APIs:**
 - RESTful APIs for communication with backend services.
- 4. Authentication:**
 - OAuth or Firebase Authentication.

B. Backend (Admin Panel and APIs)

- 1. Frameworks:**
 - Laravel.
- 2. Database:**
 - **MySQL/PostgreSQL** for structured data (users, bets, plans, transactions).
- 3. Admin Panel:**
 - React.js, Angular, or Vue.js for admin interface.
 - Manage health tips, blogs, and user activities.

C. Real-Time Tracking

- Use WebSockets or Firebase Realtime Database to:
 - Update leaderboard positions.
 - Notify users of challenge status changes.

D. Payment Gateway Integration

- **Entry Fees:**
 - Stripe, Razorpay, or PayPal.
- **Winnings Withdrawal:**
 - Direct bank transfers manually.

E. Security

- SSL encryption for data transfer.
 - Token-based authentication using JWT.
 - Secure storage of sensitive data (e.g., bank details).
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4. Functional Workflows

A. User Workflow

1. **Registration and Login:**
 - Users sign up using email or social accounts.
 - Verify identity for betting withdrawals.
2. **Browsing Tips and Blogs:**
 - Access categorized tips and blogs.
 - Bookmark favourite content.
3. **Betting Participation:**
 - Choose a betting plan and pay the entry fee.

- Participate in challenges and track progress.

4. Winning and Withdrawals:

- Winner is determined automatically based on parameters.
- Winnings are transferred to the user's linked bank account.

B. Admin Workflow

1. Content Management:

- Add, edit, or remove blogs and tips.
- Approve or disapprove user comments.

2. Bet Monitoring:

- Monitor active bets and resolve disputes.
- Ensure fair play.

3. Financial Management:

- Track transactions for entry fees and winnings.
- Generate reports on revenue and payouts.

4. Free Bet Creating: -

- Admin will create a free bet from the panel.
- Winning price will be set there.
- Track all user who have joined that bet.
- Top on leadership Board will be the winner.

5. Key Integrations

1. Fitness Trackers:

- Google Fit, Apple Health, Fitbit for activity tracking.

2. Payment Gateways:

- Stripe, PayPal, Razorpay for secure transactions.

3. Cloud Hosting:

- AWS, Google Cloud, or Azure for scalable backend services.

4. **Notifications:**

- Firebase Cloud Messaging for push notifications.
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6. **Scalability and Performance**

1. **Scalability:**

- Microservices architecture for handling high traffic.

2. **Performance:**

- Caching frequently accessed data (e.g., blogs, tips).
 - Optimized database queries.
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7. **Future Enhancements**

1. **Gamification:**

- Badges and rewards for users.

2. **AI Recommendations:**

- Suggest personalized health tips and blogs.

3. **Multiplayer Bets:**

- Group challenges with multiple participants.