

Functional and Non- Functional Requirements

JMMPlatform

Functional Requirements

1. User Registration and Profile Linking

- Fans can create accounts and link their TikTok profiles to the platform.
- Priority: High
- Testable: Verify account creation and TikTok linking functionality.

2. Content Submission and Approval

- Fans can submit TikTok videos for approval by creators.
- Priority: High
- Testable: Confirm that video uploads are processed and displayed after approval.

3. Competition Management

- Creators can organize competitions, set rules, and assign rewards.
- Priority: High
- Testable: Validate competition setup, rule enforcement, and reward distribution.

Functional Requirements

4. Leaderboard and Rankings

- Fans' competition performance is ranked based on engagement metrics (likes, shares, views).
- Priority: Medium
- Testable: Ensure leaderboard accuracy and dynamic updates.

5. Engagement Statistics Dashboard

- Creators can view fan statistics, including video performance and individual contributions.
- Priority: Medium
- Testable: Confirm the accuracy and usability of statistics displayed in the dashboard.

6. Reward Distribution System

- Enables creators to issue cash prizes or other rewards to fans seamlessly.
- Priority: Medium
- Testable: Verify that rewards are correctly issued and notifications are sent.

Non-Functional Requirements

1. Scalability

- The platform must support a growing number of users and competitions without performance degradation.
- Priority: High
- Testable: Perform stress testing with increasing user load.

2. Security

- Ensure secure handling of user data and TikTok integration to prevent unauthorized access.
- Priority: High
- Testable: Conduct penetration testing and validate secure data handling.

3. Usability

- Provide a user-friendly interface for both fans and creators, ensuring smooth navigation and intuitive features.
- Priority: Medium
- Testable: Conduct usability tests and gather user feedback.