

Test Plan

1. Introduction

Cameo is a platform where users can book personalized video messages from celebrities. Fans request custom shoutouts, greetings, or special messages for occasions. Celebrities from various fields offer these services at different price points. It's a unique way to interact with public figures and make moments memorable.

- **Purpose:** To verify that Cameo's website performs optimally, securely, and provides a smooth user experience.
- **Scope:**
 - Functional Testing (user interactions, login, registration, video requests, payments)
 - Performance Testing (page speed, load handling)
 - Security Testing (authentication, sensitive data handling)
 - Compatibility Testing (browser/device compatibility)
 - Usability Testing (user experience)

2. Objectives

- Validate key functionalities of the platform.
 - Test website performance under various load conditions.
 - Ensure the security of user data and transactions.
 - Confirm compatibility across devices and browsers.
 - Assess the usability of the website.
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3. Test Items

- **Website URL:** www.cameo.com
 - **Features:**
 - Account creation and management
 - Celebrity profiles (search, display, request)
 - Video request and booking flow
 - User dashboard (view requests, manage bookings)
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4. Testing Phases & Types

A. Functional Testing

- **Objective:** Ensure that the website functions as intended.

Tests:

1. **Account Registration:**
 - Validate user registration (valid and invalid inputs). - check using Boundary value analysis test strategies.
 - Test email verification and password recovery.
 2. **Login/Logout:**
 - Test login/logout with valid and invalid credentials.
 3. **Celebrity Profile Search:**
 - Search by name, category, location.
 - Validate content on celebrity profiles (bio, videos, pricing).
 4. **Video Request Form:**
 - Test form submissions (input validation, message length).
 5. **User Dashboard:**
 - Validate viewing past requests, upcoming bookings.
 - Test request cancellation/editing options.
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B. Performance Testing

- **Objective:** Ensure the website performs well under varying user loads.

Tests:

1. **Page Load Speed:**
 - Measure load time for the homepage, profile pages, and forms.
 - Target load time: under 3 seconds.
 2. **Load Testing:**
 - Simulate traffic and find the breaking point of the application. Usually verified using JMeter tool.
 3. **Stress Testing:**
 - Identify the breaking point by incrementally increasing load.
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C. Security Testing

- **Objective:** Ensure that user data and transactions are securely handled.

Tests:

1. **Authentication:**
 - Test for SQL injection.

2. **Sensitive Data Handling:**
 - Verify encryption of user data - check password protected fields.
 - Ensure HTTPS is used for all data transmission.
 3. **Session Management:**
 - Test session expiration after inactivity.
 - Ensure session tokens are secure.
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D. Compatibility Testing

- **Objective:** Ensure the website functions across all major browsers and devices.
Tests:
 1. **Cross-Browser Testing:**
 - Test in Chrome, Firefox, Safari, and Edge
 2. **Mobile Compatibility:**
 - Test on iOS and Android devices (phones, tablets).
 - Validate mobile responsiveness (button sizes, menu visibility).
 3. **Operating System Compatibility:**
 - Test on Windows and macOS .
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E. Usability Testing

- **Objective:** Validate user experience.
Tests:
 1. **Navigation:**
 - Ensure intuitive navigation from homepage to checkout.
 - Test for broken links or confusing pathways.
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5. Test Deliverables

- **Test Cases & Scenarios:** Detailed list of all test cases, including expected outcomes.
- **Bug Reports:** Document all defects found with severity and steps to reproduce.
- **Test Execution Reports:** Progress reports, including status of test cases and defect tracking.
- **Test Summary Report:** Final summary of testing results, including findings and conclusions.

6. Risk & Mitigation

- **Risk:** Performance degradation during high traffic.
 - **Mitigation:** Conduct load and stress testing, prepare server scaling strategies.
- **Risk:** Resource reduction during testing
 - **Mitigation:** Run regression test suites and automate automation candidate test cases.