

Mental Care- Test Planning Document

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Test Plan for Mental Care System

1. Overview

The **Mental Care System** aims to provide users with an easy-to-use platform to access mental health services. The system enables patients to search for psychologists, book consultations (both online and offline), participate in video calls, and engage with blogs written by psychologists. This test plan outlines the process of validating and verifying that all system features work as intended, ensuring the system meets the needs of its users.

2. Scope

The scope of this test plan includes testing the core functionalities of the Mental Care System, such as:

- User Registration and Login
- Profile Management
- Search for Psychologists
- Booking and Managing Appointments
- Blog Management
- Video Call Functionality
- Admin Dashboard and Operations (approving psychologists, managing users)
- Payment System

3. Test Environments

- **Operating Systems:** Windows 10, MacOS
- **Browsers:** Chrome, Edge, Safari
- **Mobile Platforms:** Android, iOS

4. Test Strategy

This section outlines the testing approach, which includes functional testing, usability testing, and performance testing. The testing will be conducted in multiple phases:

1. **Functional Testing:** Testing each feature to ensure it functions as intended.
2. **Smoke Testing:** Initial testing to verify critical functionalities are working before further testing.
3. **Regression Testing:** Ensuring that new changes do not break existing functionality.
4. **Usability Testing:** Verifying that the system is user-friendly and intuitive for users.

5. Entry and Exit Criteria

Entry Criteria:

- Testable requirements derived from the SRS have been provided to the testing team.
- All functionalities mentioned in the scope are available for testing.
- The development team has resolved critical issues from previous test cycles.

Exit Criteria:

- All high-priority test cases are executed, and all critical defects are resolved.
- The testing team has completed all planned testing activities, including functional, regression, and usability testing.
- Test reports, including defect logs and summary reports, are submitted for review.

6. Suspension and Resumption Criteria

Testing will be suspended if:

- The build provided for testing is unstable or missing key features.
- Critical defects are found that prevent further testing.

Testing will resume when:

- A stable build is provided with fixes for critical defects.
- All high-priority issues are addressed.

7. Defect Reporting Procedure

During the testing phase of the **Mental Care System**, any defects or issues encountered will be reported as follows:

1. **Logging Defects:** Defects will be logged in an Excel sheet, capturing:
 - Defect ID
 - Test Case ID
 - Severity (Critical, Major, Minor)
 - Priority (High, Medium, Low)
 - Steps to Reproduce
 - Expected Result vs. Actual Result
 - Attachments (Screenshots or videos for visual support)
2. **Daily Reporting:** The testing team will document and report defects to the development team daily. All critical issues will be escalated immediately for quick resolution.

3. Defect Resolution Process:

- Defects will be assigned to the development team for resolution.
- The development team will fix and update the status (Open, In Progress, Fixed, Closed).
- Fixed defects will be re-tested to ensure the issue is resolved.
- A summary report will be generated after each cycle of defect fixes.

4. Defect Retesting and Closure: Defects that pass re-testing will be marked as "Closed."

If the issue persists, it will be re-opened and escalated.

8. Roles & Responsibilities

Name	Role	Responsibilities
Person A	Test Manager	Escalations
Person B	Test Lead	<ul style="list-style-type: none">• Create the Test Plan and get the client signoffs• Interact with the application, create and execute the test cases• Report defects• Coordinate the test execution. Verify validity of the defects being reported.• Submit daily issue updates and summary defect reports to the client.• Attend any meeting with client.
Person C	Senior Test Engineer	<ul style="list-style-type: none">• Interact with the application• Create and Execute the Test cases.• Report defects
Person D	Test Engineer	<p>Interact with the application</p> <ul style="list-style-type: none">• Execute the Test cases.• Report defects

9. Test Schedule

Task	Duration	Timeline
Test Plan Creation	5 days	March 01 – March 05, 2024
Test Case Creation	10 days	March 06 – March 16, 2024
Test Case Execution	12 days	March 17 – March 29, 2024
Defect Retesting and Closure	5 days	March 30 – April 04, 2024
Summary Report Submission	3 days	April 05 – April 08, 2024

10. Test Deliverables

Deliverables	Description	Target Completion Date
Test Plan	Details on the scope of the Project, test strategy, test schedule, resource requirements, test deliverables and schedule	08-02-2024
Functional Test Cases	Test Cases created for the scope defined	26-02-2024
Defect Reports	Detailed description of the defects identified along with screenshots and steps to reproduce on a daily basis.	NA
Summary Reports	Summary Reports – Bugs by Functional Area and Bugs by Priority	20 – 03 - 2024

11. Tools

- **Defect Tracking:** Excel for logging and tracking defects.
- **Testing Documentation:** Word and Excel for test cases and reports.

12. Risks and Mitigations

- **Risk:** Unavailability of testing environments.
 - **Mitigation:** Use backup environments and prioritize testing on critical platforms.
- **Risk:** Insufficient time for thorough testing.
 - **Mitigation:** Focus on high-priority test cases and critical features.

13. Approvals

The following documents require client approval before proceeding to the next phase:

- Test Plan
- Test Scenarios and Cases
- Test Summary Reports

This test plan ensures that the Mental Care System will be thoroughly tested across multiple environments to ensure a smooth and user-friendly experience for all users.