TEST PLAN

Project Name: ChatPP Website
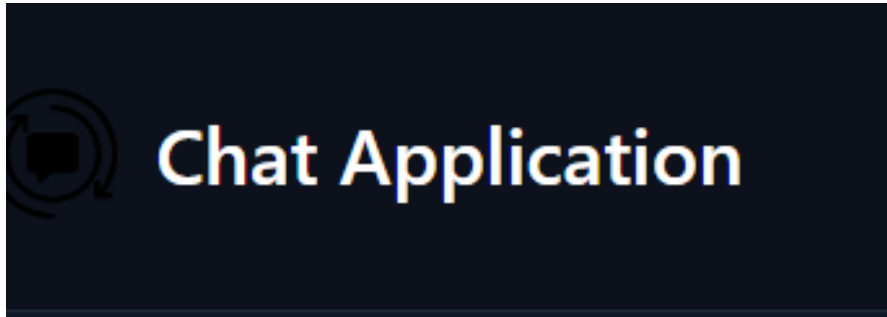
Prepared By: Kartik Sharma
Date: 15-03-2025

Table of Contents

1. Introduction

The purpose of this document is to define the testing approach, strategies, and scope for the **ChatPP Website**. This document details the scope, objectives, test schedule, resource allocations, test deliverables, and reporting procedures.

AUT: https://chatpp-sigma.vercel.app/

2. Objectives

- Ensure the functionality of key features such as user authentication, messaging, notifications, and profile management.
- Validate compatibility across different browsers and devices.
- Identify and fix usability, security, and performance issues.

3. Scope

This test plan covers:

- **Functional Testing**: Ensuring all features work as expected.
- **Compatibility Testing**: Verifying functionality across multiple browsers and devices.
- **Security Testing**: Identifying potential vulnerabilities.
- **Performance Testing**: Measuring website responsiveness and scalability.

4. Testable Features

- Signup
- Login
- Forgot Password
- Profile Management
- Messaging System
- Notifications
- Search Functionality
- User Settings
- Logout
- Admin Panel (if applicable)

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5. Testing Approach

Testing Types

- Functional Testing
- Compatibility Testing
- Security Testing
- Performance Testing
- UI/UX Testing
- Regression Testing
- User Acceptance Testing (UAT)
- End-to-End Testing

Testing Methodologies

- Black-box Testing
- White-box Testing
- Exploratory Testing

Testing Environment

- **Environments**: UAT, Pre-Production
- **Operating Systems**: Windows 10+, macOS, iOS, Android
- **Browsers**: Chrome, Firefox, Safari, Edge
- **Testing Tools**: Selenium, TestNG, Postman, JMeter

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6. Roles/Responsibilities

Name	Role	Responsibilities
Kartik Sharma	Test Manager	Manage test resources, ensure test plan execution, report progress.
Kartik Sharma	Test Lead	Develop test strategies, assign tasks, review test results.
Kartik Sharma	Test Engineer	Write and execute test cases, report defects, automate testing.
Kartik Sharma	Test Engineer	Develop and maintain automation scripts.

7. Test Schedule

Task	Time Duration
Test Plan Creation	16-03-2025
Test Scenario Creation	16-03-2025
Test Case Creation	16-03-2025
Summary Report Submission	16-03-2025

8. Test Deliverables

Deliverable	Description	Owner	Completion Date
Test Plan	Outlines the testing approach and scope	Kartik Sharma	15/03/2025
Test Cases	Functional and compatibility test cases	Kartik Sharma	15/03/2025
Defect Report	Description of defects found	Kartik Sharma	15/03/2025

9. Entry & Exit Criteria

Entry Criteria

- Testable requirements are available.
- Application is ready for testing.
- Test environment is set up.

Exit Criteria

- All test cases executed.
- All critical defects fixed and retested.
- Test Summary Report prepared.

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10. Tools

- **Test Management**: JIRA, TestRail
- **Automation**: Selenium, TestNG, JUnit
- **API Testing**: Postman, Rest Assured
- **Performance Testing**: JMeter
- **Collaboration**: Microsoft Teams

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11. Risks and Mitigation Plans

Risk	Mitigation Plan
Lack of Automation Testers	Backup resource planning
Undefined Requirements	Subject matter expert discussions
Browser Compatibility Issues	Early compatibility testing
Performance Issues	Load testing with JMeter

12. Approvals

Kartik Sharma will submit the following documents for approval before proceeding:

- Test Plan
- Test Scenarios
- Test Reports

Testing will continue to the next phase only after approvals are received.