Sample Test Plan Document

Project Name: Health Care Web Application

Prepared By: Rounak Pal (QA Engineer)

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1. Introduction

The purpose of this test plan is to define the testing approach, scope, resources, and schedule for validating the Health Care Web Application. The goal is to ensure high-quality deliverables by identifying and resolving issues before release.

2. Objectives

- Verify that all functional requirements are implemented correctly.
- Ensure usability, performance, and security meet client expectations.
- Detect and report defects early to reduce post-release issues.
- Validate cross-platform consistency (Web, iOS, Android).

3. Scope

In Scope:

- Functional Testing (core workflows: patient onboarding, therapy tracking, consultation booking, payment).
- Smoke, Sanity, and End-to-End Testing.
- Cross-browser testing (Chrome, Firefox, Edge, Safari).
- Mobile testing (iOS, Android).
- Basic API testing for backend services.
- Performance testing

Out of Scope:

- Stress testing at enterprise scale.
- Third-party integration security audits.
- Localization/Internationalization testing.

4. Test Strategy

- Manual Testing: Functional, UI/UX, regression, compatibility.
- Automation Testing: Cypress – Web E2E workflows.
- JMeter – Basic load/performance testing.
- Defect Tracking: JIRA.
- Version Control & CI/CD: GitHub + GitHub Actions (integration for automated runs).

5. Test Environment

- Web App: Staging environment with production-like data.
- Mobile App: TestFlight (iOS) and Internal Testing (Android).
- Browsers: Chrome (latest), Firefox, Safari, Edge.
- Devices: iPhone 12+, Samsung Galaxy Series, Pixel Devices.

6. Test Deliverables

- Test Plan Document.
- Test Cases & Test Scenarios (Excel/Zephyr).
- Test Execution Reports.
- Bug Reports in JIRA.
- Final QA Sign-off Report.

7. Roles & Responsibilities

- QA Engineer (Rounak Pal): Test planning, case design, execution, defect reporting.
- Developer Team: Bug fixing, unit testing, and code reviews.
- Project Manager: Coordination, tracking timelines, and risk management.

8. Entry & Exit Criteria

Entry Criteria:

- Development is complete for planned features.
- Stable build deployed to the test environment.
- Test data available.

Exit Criteria:

- All critical/severe defects closed.
- 95% of test cases executed with a pass status.
- Final regression completed with no major blockers.

9. Risks & Mitigation

1. Risk: Tight timelines may limit regression scope.
   Mitigation: Prioritize high-risk features in the regression suite.

2. Risk: Environment instability during testing.
   Mitigation: Work with DevOps to maintain stable test environments.

10. Schedule (Tentative)

Phase	Duration	Owner
Test Planning	2 days	QA
Test Case Design	4 days	QA
Test Execution	10 days	QA
Defect Fix & Retest	Ongoing	QA + Dev
Regression	3 days	QA
Final Sign-off	1 day	QA/Client