Agile Test Plan for Booking.com QA Project

Objective

Validation of Booking.com's features throughout Agile sprints, ensuring each iteration delivers tested, integrated, and user-ready functionality that meets user stories and customer requirements

Scope

- Validation of booking workflow including search, filter, reserve, pay, cancel
- User account workflow including user authentication, new user registration and profile management
- Testing of payment gateways including APIs
- Compatibility testing on various browsers and mobile devices
- User load testing with maximum number of users allowed to login at certain given time
- Localization and currency support

Test Approach & Strategy

- Sprint-based Testing: Testing activities planned and executed within each sprint, aligned with sprint goals and user stories
- Manual Testing including Exploratory, Usability Testing for new, complex features.
- Continuous Integration (CI): Automated test suites executed in nightly builds
- Regression Testing: End to end automated tests to ensure existing features remain stable as new features are added

Test Environment

- Staging environment updated with latest build
- Supported browsers: Chrome, Firefox, Safari, Edge
- Devices: Windows, iOS devices
- Automation tools for web application - eg: Selenium / Cypress
- Test Management Tools : Testlink, Testrail, JIRA/Kanban

- Production Testing on production environment with dummy customer test account

Test Schedule

Phase	Activity
Sprint Planning	Define testing tasks for each user story
Daily Meetings/Activities	Execute manual/automated tests, log defects,verify defects
Sprint Review	Demo tested features, report test coverage
Sprint Retrospective	Review testing process, update test cases,address high critical bugs

Roles & Responsibilities
- QA Engineers: Write and execute test cases, automate regression tests, log defects
- Developers: Write unit tests, fix defects
- Scrum Master:Ensures testing is integrated into sprint cycles.
- Product Owner: Clarify user stories and acceptance criteria.

Entry Criteria
- User stories and acceptance criteria defined and ready
- Test data and environments set up

Exit Criteria

- Critical defects fixed or logged for future sprints
- Automated regression suite passes for affected areas

Risk Management

- Risks: Changing requirements, tight sprint deadlines
- Handling of Risks: Frequent backlog grooming, prioritization of high-risk features, close collaboration between QA and development

Test Deliverables

- Test plan
- Test cases linked to user stories
- Automated test scripts
- Defect reports

Metrics & Reporting

- Sprint test coverage
- Defect metrics (open/closed, severity, priority)
- Test execution progress (daily/weekly updates)
- Status updates in daily stand-ups and sprint reviews