# Testing Checklist
## Project: **Restful-Booker**

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# 1.    Introduction

The Software Testing Checklist is a comprehensive list of tasks and activities that must be completed before a software program can be released. It includes verifying the program's functionality, testing its performance, ensuring it meets customer requirements, and evaluating the user experience. It can also include security testing, compatibility testing, usability testing, and regression testing. The Software Testing Checklist ensures that all aspects of the software are thoroughly tested and all problems are addressed before the software is released.

# 2.    Test Readiness Checklist

| Description | Completed | Failed | Need Attention | Not Applicable |
|---|---|---|---|---|
| Review Software Requirements and specification | ☑ | ☐ | ☐ | ☐ |
| List functionalities and features to be tested | ☑ | ☐ | ☐ | ☐ |
| Defining testing objectives and scope | ☑ | ☐ | ☐ | ☐ |
| Outline testing strategies and methodologies | ☑ | ☐ | ☐ | ☐ |
| Set timelines and milestones for testing activities | ☑ | ☐ | ☐ | ☐ |
| Test plan completion | ☑ | ☐ | ☐ | ☐ |
| Test case preparation | ☑ | ☐ | ☐ | ☐ |
| Test case review and sign-off | ☑ | ☐ | ☐ | ☐ |
| Test data availability | ☑ | ☐ | ☐ | ☐ |
| Allocate resources and ensure proper training if needed | ☐ | ☐ | ☐ | ☑ |
| Configure hardware and software needed for testing | ☐ | ☐ | ☐ | ☑ |
| Ensure the test environment mirrors real-world conditions | ☐ | ☐ | ☐ | ☑ |
| Conduct sanity testing | ☑ | ☐ | ☐ | ☐ |

## 3.  Test Executing and Reporting Checklist

| Description | Completed | Failed | Need Attention | Not Applicable |
|---|---|---|---|---|
| Prioritize and execute test cases | ☑ | ☐ | ☐ | ☐ |
| Implement automation for repetitive test cases | ☐ | ☐ | ☑ | ☐ |
| Validate test results | ☑ | ☐ | ☐ | ☐ |
| Document test results | ☐ | ☐ | ☑ | ☐ |
| Record issues with clear descriptions and logs | ☐ | ☐ | ☑ | ☐ |
| Provide relevant details and severity ratings | ☐ | ☐ | ☑ | ☐ |
| Ensure defect resolutions | ☐ | ☐ | ☑ | ☐ |
| Perform regression testing | ☐ | ☐ | ☑ | ☐ |
| Perform performance testing | ☐ | ☐ | ☐ | ☑ |
| Perform security testing | ☐ | ☐ | ☑ | ☐ |
| Perform user acceptance testing | ☐ | ☐ | ☑ | ☐ |

## 4.  Exit Criteria Checklist

| Description | Completed | Failed | Need Attention | Not Applicable |
|---|---|---|---|---|
| 100% Test Scripts executed | ☐ | ☐ | ☑ | ☐ |
| 95% pass rate of Test Scripts | ☐ | ☐ | ☑ | ☐ |
| No open Critical and High-severity defects | ☐ | ☐ | ☐ | ☑ |
| 95% of Medium-severity defects have been closed | ☐ | ☐ | ☐ | ☑ |
| All remaining defects are either canceled or documented as Change Requests for a future release | ☐ | ☐ | ☐ | ☑ |
| All expected and actual results are captured and documented with the test script | ☐ | ☐ | ☐ | ☑ |
| Test Closure Report is completed and signed off | ☐ | ☐ | ☐ | ☑ |

## 5. Continuous Improvement Checklist

| Description | Completed | Failed | Need Attention | Not Applicable |
|---|---|---|---|---|
| Analyze successes and shortcomings of the testing cycle | ☐ | ☐ | ☐ | ☑ |
| Gather feedback | ☐ | ☐ | ☐ | ☑ |
| Review and update the testing checklists | ☐ | ☐ | ☑ | ☐ |
| Incorporate new insights | ☐ | ☐ | ☐ | ☑ |