**Agile Test Strategy
Template – Example**

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| TITLE |
| Agile Test Strategy for Positive Charge Software Project |
| Agile Test Strategy for Project Name |
| VERSION | DATE | PREPARED BY |
| 1.0 | Thursday, July 17, 20XX | Alexandra Mattson |

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| Introduction |
| Overview | Brief description of the project |
| This document outlines the Agile test strategy for Positive Charge's software project, which aims to enhance our EV-charging and logistics platform. The project focuses on improving user experience, optimizing charging station allocation, and enhancing route planning for electric vehicles. |
| Purpose | Purpose of the test strategy document |
| The purpose of this test strategy document is to define the testing approach, deliverables, and schedule to ensure the quality and reliability of the new software features. |

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| Scope |
| In-Scope Items | Components and features to be tested |
|  - EV-charging station locator - Real-time charging station availability updates - Enhanced route planning with charging stops - User account management features - Payment gateway integration |
| Out-of-Scope Items | Items not covered by this strategy |
|  - Legacy systems integration - Third-party API enhancements |

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| Testing Approach |
| Types of Testing | Functional, non-functional, regression, etc. |
|  - Functional testing - Non-functional testing (performance, security) - Regression testing - User Acceptance Testing (UAT) |
| Agile Methodology | Specific Agile practices like sprints, stand-ups |
|  - Sprints: Bi-weekly sprint cycles - Daily stand-up meetings: 15-minute meetings every morning - Sprint reviews and retrospectives: At the end of each sprint |
| Test Levels | Unit, integration, system, acceptance |
|  - Unit testing - Integration testing - System testing - Acceptance testing |

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| Test Deliverables |
| List of documents and reports to be delivered |
| - Test plan document- Test cases and test scripts- Test summary reports- Defect reports- UAT sign-off document |

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| Test Environment |
| Setup | Description of the test environment |
| A dedicated test environment that replicates the production setup, including staging servers, databases, and network configurations. |
| Requirements | Hardware and software specifications |
|  - Hardware: Standard servers, load balancers - Software: Latest versions of web servers, database systems, and necessary middleware |

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| Tools and Automation |
| Testing Tools | Tools to be used, e.g., Selenium, JIRA |
|  - Selenium for automation testing - JIRA for issue tracking and test management - Postman for API testing |
| Automation Strategy | Approach to test automation |
|  - Automate regression test cases - Continuous Integration (CI) setup with Jenkins for automated test execution |

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| Test Data Management |
| Data Approach | Management of test data |
| Use anonymized production data for realistic test scenarios. Create synthetic data where necessary. |
| Privacy and Security | Considerations for data privacy |
| Ensure test data complies with data privacy regulations and is securely managed. |

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| Defect Management |
| Reporting Process | Defect reporting and tracking process |
| Defects are logged in JIRA and prioritized based on severity and impact. Regular triage meetings to review and assign defects. |
| Tools | Tools used for defect management |
| JIRA for defect tracking |

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| Roles and Responsibilities |
| List of roles in the testing team and responsibilities of each role |
| ROLE | RESPONSIBILITIES |
| Test Manager | Oversee the testing process. Ensure testing coverage and timelines. |
| Test Engineers | Design and execute test cases. Write and execute test cases, log defects. |
| Automation Engineers | Develop and maintain automated tests.Implement automation scripts. |
| Product Owner | Provide requirements and accept deliverables. Validate the functionality meets requirements. |

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| Schedule |
| Timeline | Timeline for testing activities |
| ACTIVITIES | DATE |
| Sprint 1 | July 15 - July 28 |
| Sprint 2 | July 29 - August 11 |
| Sprint 3 | August 12 - August 25 |
| Milestones | Key milestones and deadlines |
| KEY MILESTONE | DATE |
| Sprint planning | July 14 |
| First sprint review | July 28 |
| Final UAT | August 25 |

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| Risks and Mitigation |
| POTENTIAL RISKS | MITIGATION STRATEGIES |
| Delays in test environment setup | Set up and validate the test environment |
| Unavailability of test data | Ensure data availability before testing begins |
| High defect rate in critical features | Prioritize and address critical defects promptly |

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| Communication Plan |
| Channels |   |
| Slack for daily communication, email for formal updates, Confluence for documentation |
| Frequency |   |
| Daily stand-ups, weekly status reports |
| Stakeholders |   |
| Product Owner, Development team, QA team, project manager |

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| Exit Criteria |
| Criteria for concluding the testing phase and metrics for success |
| CRITERIA | SUCCESS METRICS |
| All test cases executed with a pass rate of 95% | Defect density |
| No critical defects open | Test coverage |
| UAT sign-off obtained | User satisfaction |

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| Conclusion |
| Summary and next steps |
| This Agile test strategy provides a structured approach to ensure the quality of Positive Charge's software enhancements. Next steps include executing the defined test cases, monitoring progress, and addressing any issues that arise during the testing phases. |

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