

# Test Plan Document

## 1. Introduction

This test plan outlines the testing approach for ensuring the quality of key features on the website prior to launch. The key functionalities to be tested include adding a customer, adding a tariff plan, assigning the plan to a customer, and paying bills. The goal is to ensure that these features function correctly and meet user requirements before going live.

## 2. Scope

The scope of testing includes the following functionalities:

- Adding a new customer.
- Adding a tariff plan to the system.
- Assigning a tariff plan to an existing customer.
- Paying the bill for a customer.

Out of scope: Non-functional testing (e.g., performance, security) and unrelated functionalities not explicitly mentioned in this document.

## 3. Objective

To ensure that the identified features:

- Function as expected.
- Have no critical defects before the website goes live.
- Provide a seamless user experience across various scenarios.

## 4. Testing Approach

We will use both manual and automated testing techniques to validate the features. The following testing methodologies will be employed:

### a) Functional Testing

- **Objective:** Verify that all features function according to specifications.
- **Method:** Execute test cases to verify successful customer addition, tariff plan creation, and bill payment.

### b) Regression Testing

- **Objective:** Ensure that new functionality does not impact existing features.
- **Method:** Retest the system after introducing the new features to confirm no regression.

### c) Smoke Testing

- **Objective:** Validate the critical path of the application (adding a customer and paying a bill).
- **Method:** Perform quick tests to check system readiness.

### d) Automation Testing

- **Objective:** Automate repetitive test scenarios (e.g., adding customers, bill payment).
- **Tools:** Selenium WebDriver with Java for browser automation.

## 5. Testing Tools

- **Selenium WebDriver** for automated browser testing.
- **Manual testing** with the website URL: <https://demo.guru99.com/telecom/index.html>.
- **Bug Tracking Tool:** Excel or Jira for documenting defects.

## 6. Test Environment

- **Browsers:** Google Chrome, Firefox (for cross-browser testing).
- **Operating System:** Windows 10 (or as provided by the client).
- **Test Data:** A set of test data for customer names, tariff plans, and billing amounts will be used to execute the test cases.

## 7. Test Schedule

- Test execution will begin on [Insert Start Date].
- Completion of testing is expected by [Insert End Date].
- Smoke testing will be performed before any major deployments.
- Automation will be developed simultaneously and run on a nightly basis for regression.

## 8. Roles and Responsibilities

- **Test Engineer:** Omkar K.
- **Automation Engineer:** Omkar K.
- **Test Lead:** [Insert Name].

## 9. Assumptions

- The website will be stable and accessible during the testing period.
- Test data will be valid and provided if necessary.
- Any defects will be logged and fixed within the agreed timeline.

## 10. Risks

- Potential downtime of the website during testing.
- Delays in bug fixes may impact the overall test schedule.

## 11. Exit Criteria

- All critical test cases have passed.
- No open critical/blocker bugs.
- All identified bugs have been resolved or are deferred with an acceptable level of risk.