**Test Plan for “AB Tasty” by R. Surkov**

**1. Introduction**

The Test Plan will include N sections. Each section includes information based on its section name. The goal of this Test Plan is to show the specific Plan of testing the login module of the AB Tasty Web App

**2. Scope of work**

The goal of this test plan is to deliver the following QA artifacts:

1. **Acceptance Criteria** list.
2. **Test Plan** document that includes:
   * Test cases
   * Detailed test steps
   * Test data set
3. **GitHub Repository** containing coded test cases.
4. **YAML file** for triggering tests automatically upon code merges.

**3. Quality and Acceptance Criteria**

**Acceptance Criteria (AC):**

* The list of acceptance criteria is comprehensive and covers the user stories for the login module.
* The test plan must include links to where all QA artifacts can be accessed.

**Test Plan Includes:**

* 3.1. **Automated Tests for Login Form**: A total of **8 automated tests** covering the key scenarios.
* 3.2. **GitHub Workflow**: A pre-configured YAML file that triggers tests on each merge to the master branch.
* 3.3. **ReadMe File**: A comprehensive README for easy project navigation and understanding.
* 3.4. **Necessary Files**: Ensure the repository includes files like package.json, .gitignore, and others.

**Test Cases:**

* Coverage: The test cases must cover all main flows identified in the Acceptance Criteria.
* Each test case should include the following:
  + Test Case Name
  + Steps to execute
  + Test data
  + Expected Results
  + Priority

**4. Resources and Team**

| **Role** | **Name Surname** | **Duties** | **Devices** |
| --- | --- | --- | --- |
| Full Stack QA | Roman Surkov | End-to-End Playwright Automation, CI/CD Workflow, Test Case Development, Test Plan Writing, Acceptance Criteria Development | MacBook Air 13 (M1) |

**5. QA Artifacts Results**

1. **Test Cases**: [Test Cases Link](https://docs.google.com/spreadsheets/d/1Xqu7A1hmS4uxjJnaITASJh7NjLIfDUA9d8WQnWwiE1Q/edit?gid=0#gid=0)
2. **Test Plan**: [Test Plan Link](https://docs.google.com/document/d/1X1OouOIBPyo4eBXuraoU0kw95cBMz3SxxKnRAon3bNM/edit?usp=sharing)
3. **Acceptance Criteria**: [Acceptance Criteria Link](https://docs.google.com/document/d/1CmzTV4agJzlqyKDGjw7uvejVZxYjWpx9sbZC3uaGwpQ/edit?tab=t.0#heading=h.y1oawdcruddx)
4. **GitHub Repository**: [GitHub Repo](https://github.com/Romapsp/ABtasty)

**6. Test Strategy**

The task will be carried out in **four stages**:

1. **Plan Preparation**: Define the test plan.
2. **Acceptance Criteria Development**: Create AC based on provided information.
3. **Test Case Development**: Write test cases based on the AC.
4. **Automation Architecture Setup**: Set up the necessary environment for automated testing and CI/CD pipeline.

**Test Execution**:

* Develop 8 End-to-End (E2E) automated tests covering various login scenarios.
* Integrate a GitHub Workflow using YAML for automated triggering of tests on merge to the master branch.

**7. Schedule**

**Work Deadline**: January 16, 2025, 17:00 (GMT+3)

**Test Schedule:**

| **Main Task** | **Start Date** | **Total Hours** | **Responsible** |
| --- | --- | --- | --- |
| Prepare the Test Plan | 13.01.2025 | 1h | R. Surkov |
| Develop Acceptance Criteria (AC) | 13.01.2025 | 4h | R. Surkov |
| Develop Test Cases | 14.01.2025 | 4-5h | R. Surkov |
| Set up Automation Architecture | 14.01.2025 | 1h | R. Surkov |
| Develop 8 E2E Tests for Login | 15.01.2025 | 3h | R. Surkov |
| Implement GitHub Workflow (YAML) | 16.01.2025 | 1h | R. Surkov |