**Test plan for:**

**<<Lumi Express Team 2 >>**

Changelog

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| --- | --- | --- | --- |
| **Version** | **Change Date** | **By** | **Description** |
| 0.1 | 31.10.2020 | JK | Initial document creation |
| 1.0 | 08.12.2023 | Team2 | Added testing information for React components |
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* Terms/Acronyms

A mention of any terms or acronyms used in the project

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| TERM/ACRONYM | DEFINITION |
| API | Application Program Interface |
| Jest | JavaScript Testing Framework for React applications |
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* Introduction

The project involves a React and Express application. The Express part doesn't have any tests due to its simplicity. The React part consists of three separate applications, with the "consumer app" being the most complex. The testing focus is primarily on base components like Input, Button, and Modal, using the Jest testing framework.

* Scope
* **In scope**

Testing for React components (e.g., Input, Button, Modal) in the consumer app.

* **Out of scope**

Testing for Express application (not performed due to simplicity).

* Quality Objective

Ensure the consumer app's base components conform to functional requirements.

Identify and fix any bugs or issues in the tested React components before deployment.

* Roles and Responsibilities

Description of the Roles and responsibilities of different team members.

* Test methodology
* Overview

The project follows an Agile methodology to meet the tight development schedule.

The development process involves short one-week sprints to quickly deliver starter-kits for various services in both frontend and backend.

* Test levels

Component Testing (focused on React components in the consumer app).

* Bug triage

Bugs will be triaged regularly during sprint reviews to determine resolution types.

Prioritization of bugs will align with sprint goals and client requirements.

* Suspension Criteria and Resumption Requirements

Suspension criteria define the criteria to be used to suspend all or part of the testing procedure while Resumption criteria determine when testing can resume after it has been suspended

* Test Completeness

100% test coverage

All Manual & Automated Test cases executed

* Test Deliverables

Here mention all the Test Artifacts that will be delivered during different phases of the testing lifecycle.

**Test Plan** (this document filled)\*

Jest Test Cases for React components.

Test Strategy document.

\*Documents that are in bold are minimum requirement for this course!

* Resource & Environment Needs
* Test Environment

React development environment.

Jest testing framework.

* Testing Tools

Jest for React component testing.

**Test case example**

Test Case ID: 1

Test Priority (Low/Medium/High): High

Module Name: Button Component

Test Title: Verify Button Handles Click Event

Description: Ensure that the Button component correctly handles the click event and calls the specified onClick function.

Test Designed by:

Test Designed date:

Test Executed by:

Test Execution date:

Pre-conditions: Button component is rendered with an onClick function.

Dependencies: None

Post-conditions: onClick function is called upon button click.

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| --- | --- | --- | --- | --- | --- |
| Step | Test Steps | Test Data | Expected Result | Actual Result | Status (pass/fail) |
| 1 | Render the Button component with an onClick function. | None | The onClick function should be called when the button is clicked. | onClick function called | pass |
| 2 | Simulate a click on the button. |  |  |  |  |
| 3 | Verify that the onClick function is called. |  |  |  |  |
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Notes:

**Bug report example**

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| ID: |  |
| Name: |  |
| Reporter: |  |
| Date: |  |
|  |  |
| Summary |  |
| URL |  |
| Platform |  |
| Operating system |  |
| Browser |  |
| Severity (low/medium/high) |  |
| Assigned to: |  |
| Priority: |  |

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| --- |
| Description: All test passed |
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| Steps to reproduce: |
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| Expected result: |
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| Actual result: |
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| Notes: |
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