**SPRINT 1 TEST PLAN**

**Introduction**

The Test Plan is designed to prescribe the scope, resources, and schedule of testing activities in the **1st sprint** of the project NextLevel Research Conference Management System.

The plan identifies the items to be tested, the features to be tested, the types of testing to be performed, the personnel responsible for testing, the resources and schedule required to complete testing, and the risks associated with the plan.

**Test scope:**

The following functions of NextLevel which were defined in software requirement specifications need to be tested in Sprint :

Requirements for functional requirements:

| **Use Case** | **Applicable Roles** | **Description** |
| --- | --- | --- |
| Login as a system admin | System Admin | System admin can log in to the system |
| Login as a author | Author | Author can log in to the system |
| Login as a reviewer | Reviewer | Reviewer can log in to the system |
| Login as a conference chair | Conference chair | Conference chair can log in to the system |
| Logout from the system | System Admin | System admin can logout from the system |
| Logout from the system | Author | Author can logout from the system |
| Logout from the system | Reviewer | Reviewer can logout from the system |
| Logout from the system | Conference chair | Conference chair can logout from the system |
| Create user | System Admin | System admin can create user |
| View user | System Admin | System admin can view users |
| Update system admin | System Admin | System admin can update system admin data |
| Update author | System Admin | System admin can update author data |
| Update reviewer | System Admin | System admin can update reviewer data |
| Update conference chair | System Admin | System admin can update conference chair data |
| Update role of system admin | System Admin | System admin can update system admin role |
| Update role of author | System Admin | System admin can update author role |
| Update role of reviewer | System Admin | System admin can update reviewer role |
| Update role of conference chair | System Admin | System admin can update conference chair role |

**Test out of scope:**

* user interfaces
* hardware interfaces
* software interfaces
* website security and performance

**Quality Objective:**

* Ensure the application user test conforms to functional requirements
* bugs/issues are identified and fixed based on evaluation before next sprint

**Roles & Responsibilities**

| Tester | Yechan Kim |
| --- | --- |
| Tasks | * Design test case * Carry out the test for sprint 1 * Evaluate test based on test result |

**Test Methodology**

1. Testing strategies: Function testing to test functional requirements of Sprint 1 use cases.
2. Test acceptance and rejection criteria:
   1. System will be accepted if the actual results matches the expected result.
   2. System will be rejected if the actual results don’t match the expected result.

**Resource and Environment**

Environment set-up: All testers are required to have the following set-up to perform the system testing:

1. Front-end: Chrome
2. Test cases: Excel
3. Code Integration: GitHub
4. Code Programming framework: Django, BootStrap, Python,
5. Database programming language : SQL

**Testing Deliverables**

Before testing

1. Generate test cases
2. Open all tools that is needed for testing

During testing

1. Run test cases one by one

After testing

1. Make a report on carried test cases

**Test Plan Approval**

The following undersigned have acknowledged that they have reviewed the above test plan for NextLevel Research Conference Management

Name: Brandon Chew

Date: 9th October 2022

Role: Project Manager

Name: Yechan Kim

Date: 9th October 202

Role: Tester