MASTER TEST PLAN

1.INTRODUCTION:

The purpose of this Master Test Plan is to establish the testing approach and define the scope for testing the public portal located at the following URL : https://betasocial.pagefreezer.com/en-US/openrecords/automation?redirected=true

This document will provide an overview of the testing strategy, resources, and deliverables for testing the public portal.

1.OBJECTIVES:

The primary objectives of this testing approach for the public portal are as follows:

- Ensure the Portal Portal is accessible and meets the specified requirement
- Identify and report any defects or issues found during testing.
- Develop an automation framework for this testing.

2. SCOPE:

Scope defines the features, functional or non-functional requirements of the software that will be tested

2.1.INSCOPE:

The scope of this testing is limited to the following features for the functional testing only

- Search Feature
- Using Filters for Advanced Search Feature
- Social and Website Tabs

2.2.OUT-OF-SCOPE:

The performance testing , usability testing and other forms of testing like regression, exploratory, compatibility and security testing are out of scope for this Testing Approach.

3.TEST METHODOLOGY:

The testing uses waterfall methodology where the requirement is designed and deployed for testing.

3.1.FUNCTIONAL TESTING:

Functional testing is the process of testing the functionality of the entire software and checking if the product meets the specific client requirements. For the purpose of this exercise, all the functional test cases are covered in TestCase Deliverable.

3.2.AUTOMATION TESTING:

Automated testing is the application of software tools to automate a human-driven manual process of reviewing and validating a software product. For the purpose of this exercise, I leveraged a Behavior-Driven Development (BDD) approach, utilizing Java, Selenium, and Cucumber in conjunction with the Page Object Model pattern to conduct tests and ensure the portal's functionality is validated effectively. Code for this automation can be found in https://github.com/Elakkiaduraisamy/pagefreezer

4.TEST DELIVERABLES:

The following documents are given as part of this testing:

1. Test cases
2. Test Report - Available as part of Test Automation
3. Bug report - Not Applicable for this exercise
4. RTM – Not Applicable for this exercise

5.RESOURCES:

Following are the tools and resources used in this testing Approach:

- Web browsers (Chrome)
- Automated testing tools (Selenium, Cucumber Report)
- Accessibility testing tools (AXE)