Test Plan for Hub88 Games Search

Introduction

The test plan is designed to describe the scope, approach, and resources of the searching games feature of Hub88

In Scope Areas

Search games of a supplier

Out of Scope Areas

Functionalities beyond the above mentioned search feature are considered as out of scope.

In Scope Test Types

1. Functional UI testing:
Under UI tests we will cover the basic E2E scenarios of searching games for a specific supplier. These tests will cover the entire in scope area mentioned above.

2. Functional API testing:
 All the test scenarios related to searching games for a supplier that are not covered with UI tests will be covered under API testing suite.
API Resource :
https://www.hub88.io/api/games?limit=24&offset=0&query=<game_name>&providers[]=<supplier>

3. Load testing:
Performing load test is required to identify if a large number of users can search games concurrently

4. Cross-browser and Cross-platform testing
Environments for WEB:
OS - Windows, Mac OS
Browsers - Google Chrome, Safari, Firefox, Internet Explorer

Environments for Mobile/Tab:
Devices: iPhone14 Pro, Samsung Galaxy Z Fold4, Samsung Galaxy Tab S8
OS - Android 11/10, iOS 14/13
Browsers - Google Chrome, Safari

Out of Scope Test Types

Any non-functional test type other than load testing

Suspension criteria and resumption requirements
If the team members report that there are 40% of test cases failed, suspend testing until the development team fixes all the failed cases

Test Automation Tools

UI E2E testing : Cypress will be used to automate UI tests. Javascript will be used as a language.

API testing : Karate API test tool. Java will be used as a language and tests will be written with Gherkin for better readability.

Roles and Responsibilities

Test Manager:
-Manage the whole project
-Define project directions
-Acquire appropriate resources

Test Administrator:
-Builds up and ensures test environment and assets are managed and maintained

SQA Engineers:
-Take in charge if quality assurance
-Execute tests, Log results, report defects
-Check to confirm whether the testing process is meeting specified requirements

Test Deliverables(before testing phase)

Test plan document
Test cases document
Test design specification

Test Reports(after testing phase)

Manual test bug reports in JIRA
Test summary reports
Automated tests will generate the below test result reports
Cypress report : Generated with mochawesome-report-generator
Karate report : Generated with Cucumber-report
Jmeter dashboard reports : Generated with jmeter