Invitation API Testing

**Test Strategy**

**Revision History**

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| --- | --- | --- | --- |
| Date | Version | Author | Description |
| 22/10/2019 | V1 | Bhavik | Initial Draft for Invitation API Testing |
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# Scope And Objective

Objective:

To validate the functional behavior of Invitation APIs and verify all the apis life cycle changes.

In-Scope:

Testing of Token generation API which is needed to call different invitation APIs. Validating responses for 4 API method such as POST, PUT, DELETE and GET using token as authentication method with expiry of 2hours.

Out of Scope:

Registration API where Invitation ID which will be used is not being tested for this cycle.

# Test Approach

* Process of testing-

Using the Agile development methodology, Functional testing will be carried out. Also, System integration Testing and User acceptance testing will be carried out.

* Roles and responsibilities of each team member -

|  |  |  |
| --- | --- | --- |
| Name | Role | Responsibilites |
| Bhavik Shah | Lead | Creating Test Plan, Test Strategy documents, Defect Management, Designing Framework |
| Bhavik | Automation Engineer | Creating Automation framework, Data Generation |

* Types of Testing – This test cycle focusses on Functional testing of APIs life cycle
* Testing approach & automation tool if applicable- Testing will be automated using Rest Assured in java.
* Adding new defects, re-testing, Defect triage, Regression Testing and test sign off - All defects must be raised after approval from lead/manager in Jira

# Test Environment

* It will be run on Windows as well Linux machine on Test server using Eclipse. So a new server is required for web server and database (Future scope)

# Testing Tools

* Rest Assured and Junit is being used.

# Release Control

* Github

# Risk Analysis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| # | Risk | Impact | Trigger | Mitigation Plan |
| **1** | Scope Creep – as testers become more familiar with the tool, they will want more functionality | **High** | **Delays in implementation date** | **Each iteration, functionality will be closely monitored. Priorities will be set and discussed by stakeholders. Since the driver is functionality and not time, it may be necessary to push the date out.** |
| **2** | Changes to the functionality may negate the tests already written and we may loose test cases already written | **High – to schedule and quality** | **Loss of all test cases** | **Export data prior to any upgrade, massage as necessary and re-import after upgrade.** |
| **3** | Weekly delivery is not possible because the developer works off site | **Medium** | **Product did not get delivered on schedule** |  |
| **4** | Change in payload XML | **Medium** |  | **check for schema validation** |
| **5** | Server setup and data duplication | **Low** |  | **Check cache file of server** |

# Review and Approvals