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** | We may lose test cases already written if functionality of API changes | **High – to schedule and quality** | **Loss of all test cases** | **Export data prior to any upgrade, massage as necessary and re-import after upgrade.** |
| **2** | Weekly delivery is not possible because the developer works off site | **Medium** | **Product did not get delivered on schedule** |  |
| **3** | Change in payload XML | **Medium** |  | **check for schema validation** |
| **4** | Server setup and data duplication | **Low** |  | **Check cache file of server** |

# Review and Approvals