Test Plan

Scope

> ℹ️ Describe the scope of the project

> *Example using our application https://api.octoperf.com*
>
> *Automation for octoperf will cover functionalities such as creating projects and deleting projects updating projects and verify the project. To validate we will use Selenium BDD Framework, API Testing Restassured/Postman.*

Test Strategy

> ℹ️ Describe the testing approach to achieve End to End automation testing.

1. Test Strategy
    a. Strategy
    b. Test Schedule
    c. Planning
2. Test Development
    a. Test Plan
    b. Test Scripts
    c. Test Data
3. Execution
    a. Defects
    b. Test Reports
    c. Test Metrics
4. Defect Management
    a. Bug fixing
    b. Bug Verification
    c. Bug Tracking
5. Delivery
    a. Requirement Verification
    b. Regression
    c. Document Release

1a. Strategy

> *Describe in a few bullet points what is the automation Strategy, Framework, Repository, Documentation for development*

Workspace Project Repository   https://gitlab.com/admiralcoder/workspace_projects

BDD Framework	• Maven project
	• BDD Gherkin
	• Selenium WebDriver

1b. Test Schedule

Describe Schedule for Automation Testing such as Smoke Test, Regression Test, Preproduction release test, Production Release

Environment	Type of Test	Schedule	Notes
QA	Smoke Test/Regression	• Smoke Test - 7 AM every day • Regression - Every 2 weeks Before end of sprint	runs and generates report
Pre-Production	Smoke Test/Regression	• Smoke Test - 7 AM every day • Regression - Every 2 weeks Before end of sprint	
Production	Regression	• Regression will run once every 2 weeks	

1c. Planning

Trace a road map for each component such as the timeframe for automation framework, Structure for Page Object Model, API Roadmap

2a. Test Plan

Here we will add a test plan yo developed for the project, That outlines the requirements and user stories

2b. Test Scripts

Describe where your test scripts is centralized

| Automation Framework | {{Paste GIT repository}} |
| API Framework | {{Paste GIT repository}} |

2c. Test Data

Add details who or where is the data coming from. Do you generate your own data?

Is the developer providing you with test data

Test Data used for Create Project

```
{
    "id": "",
    "created": "2022-10-10T15:39:40.663Z",
    "lastModified": "2021-10-10T15:39:40.663Z",
    "userId": "{{userId}}",
    "workspaceId": "{{workspaceId}}",
    "name": "testMultipleprojects",
    "description": "demo Swagger",
    "type": "DESIGN",
    "tags": []
}
```

3a. Defects
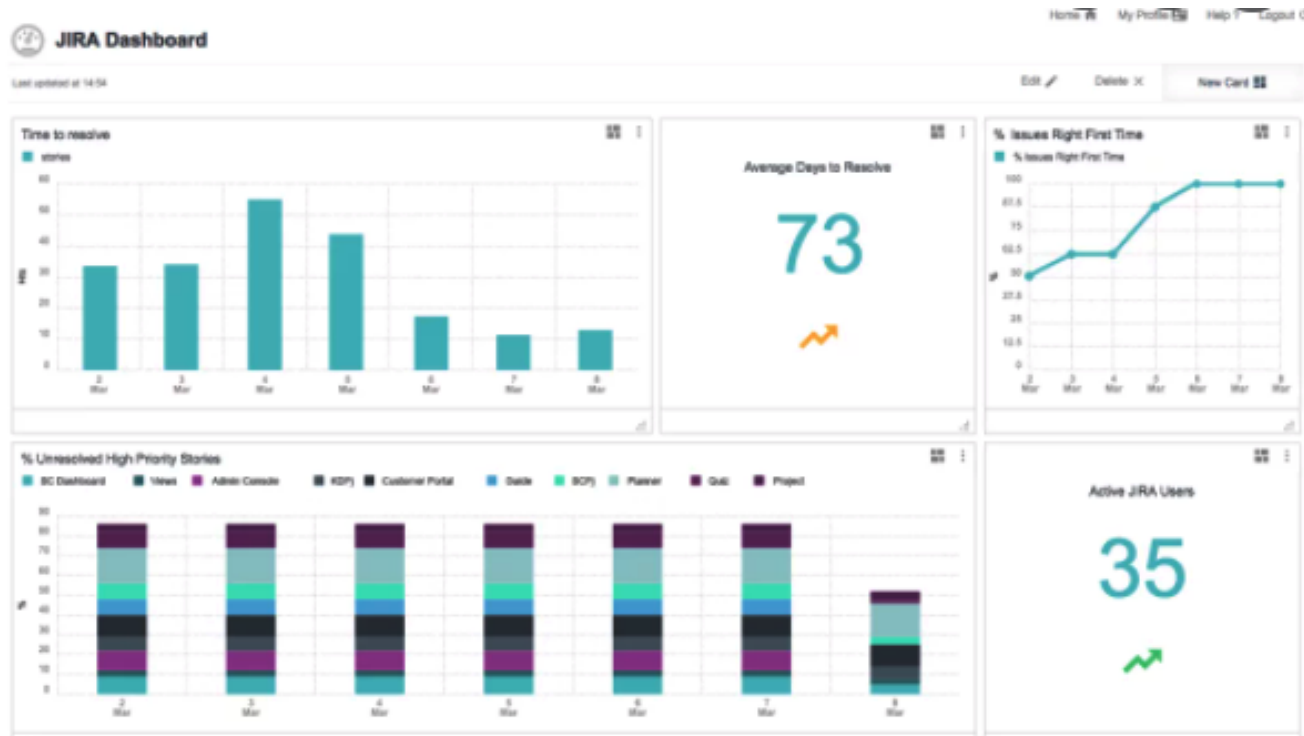
Describe what is the defect cycle

3b. Test Reports

What type of reports is our Automation Framework Generating

Where are the reports saved

3c. Test metrics

Describe any type of metrics based on each sprint to help product understand how much allocation is given to manual testing and automation testing

4a. Bug Fixing

Describe the approach to track bugs if automated or manually tested

4b. Bug Verification

What steps are taken for verification - Describe User Story validation

4c. Bug Tracking

What tools are used to track BUGS/DEFECTs - JIRA

5a, 5b. Requirements verification/Regression

What is the defenition of DONE.

When is regression Happening what is coverage in percent

5c. Document Release

Describe steps for sign off.

Tools

Tools	Repository	Manual or Automation Testing	Description

Selenium WebDriver	https://gitlab.com/admiralcoder/workspace_projects	**AUTOMATION**	• BDD • TestNG • etc…
Postman	https://gitlab.com/admiralcoder/workspace_projects	**AUTOMATION** **MANUAL**	• newman Reports • test scrips
JMeter	https://gitlab.com/admiralcoder/workspace_projects	**AUTOMATION**	

Schedules

Detail test execution schedules for Smoke Test, Regression, Test Scripts.

Environments

Detail Environment List and release versions

Environments	Version	Notes
QA	v 3.0	Release 12-31-2021
PROD	v 2.0	

Deliverables

Detail in a documentation the deliverables and versions for each release

Risks

LIst here possible risks or outcomes that can prevent deployment to PROD environment.

Reports/Results

Describe reports for automation testing such as HTML reports, XML REPORTS, JSON REPORTS, NewMan Report.

Code Review

Detail the process for Code reviews. will it be performed after every MR or commit.

Testing Team

List the QA Members working in the project

Name	Title	Responsabilities
Alex	QA Engineer	• BDD Framework • API test
Dima	QA Manager	• SQL database