

Project Plan- ONAP Automation Testing-Portal/SDC

Goals:

1. Integration tests in target deployments using OOM.
2. Writing E2E tests for the Workflow designer.
3. Improving SDC test unit test coverage: BE/FE.
4. Improving SDC CSIT (Selenium) coverage and stability, upgrading to a more recent version of Selenium.
5. Moving to Junit 5 syntax where possible.
6. Improving and standardize the test code of SDC.

Tasks:

#	Activity	DueDate	Status
1	Set up the development environment, running locally, getting familiar with the SDC portal as well as testing Environment.	20 Jun 2020	COMPLETE
2	Writing E2E tests for the Workflow designer.	04 Jul 2020	COMPLETE
3	Solving the issue SDC-3181 broken workflowD.	15 Jul 2020	COMPLETE
4	Improving SDC CSIT (Selenium) coverage and stability, upgrading to a more recent version of Selenium.	26 Jul 2020	PENDING
5	Moving to Junit 5 syntax	31 Jul 2020	PENDING
6	Writing an integration test in the Robot framework (CSIT) for OOM gating.	14 Aug 2020	COMPLETE
7	Improving and standardize the test code of SDC.	18 Aug 2020	PENDING
8	User guide or other development delivery documents.	22 Aug 2020	COMPLETE

Deliverables:

1. Robot or java test that covers also the Workflow Designer plugin.
2. More Tests on SDC BE/FE platforms.
3. Integration Tests on OOM gating with RobotFramework.
4. Improved SDC CSIT(selenium) stability with upgraded selenium.
5. Moved to JUnit 5 on all tests.

Evaluation Criteria:

- **1st Evaluation (end of week 3):** Good Understanding of the project, familiar with the dev - environment, SDC portal. know well about SDC testing frameworks and its tests
- **2nd Evaluation (end of week 6):** Finished tests on E2E for the workflow Designer and SDC BE/FE test coverage.
- **3rd Evaluation (end of week 9):** Finished improving SDC CSIT stability with upgraded selenium, and all the code to the Junit5 syntax.
- **Final Evaluation (end of week 12):** Finish the OOM gating integration test with documentation.

Work Due

1. Shifting all the Junit 4 tests to JUnit 5(half of it is already done by the SDC team)
2. upgrading the selenium to the newest version in existing tests.

Workflow

- SDC Setup environment stage.
- Workflow Designer integration with SDC.
- Started Learning RobotFrameWork and selenium to create the tests.
- Wrote the test for the workflow designer and SDC.
- Wrote the scripts to integrate the tests with the CSIT repository.
- Submitted ticket for the review.
- Started working on the ticket SDC-3181 with the SDC team.
- Writing tests for the SDC with the ONAP portal.
- Started doing set up in my local environment with oom.
- Getting access for the Winlab and started testing my test on the portal

- Solving some problem related to the test

Results:

- <https://jira.onap.org/browse/SDC-3193>
- Helped to solve the issue SDC-3181.
- <https://jira.onap.org/browse/SDC-3181>

Challenges Faced during the program

- setup problem
- physical instrument restrictions
- complex documentation
- lab access problem

Insight Gained

- learned how to work as a team
- Tackling complex projects
- lot about new technologies
- How to work with a big community.

Documentation:

Full Documentaion of the project can be seen on [SDC portal wiki page](#).

Project Report:



LF Networking M...ntation SDC.pdf