# Bunnings Test Approach in an Agile development environment

Assumption: Atlassian JIRA is used as the Project management tool.

Epic: An Epic shall be created for the Bunnings Search Feature.

Story: The Search Feature will be broken down to smaller functional modules and separate JIRA tickets created for each story with scenarios identified with inputs from Business Analysts and Dev team and signed off by stake holders.

Test Dashboard : I created to track all Story’s.

Test Set: An “Test set” shall be created with Test Cases and Test Execution Sets linked to the stories identified.

Defects: A JIRA ticket shall be created and linked to Test Execution+Test Case+Story for tracking purposes.

The “ Test Dashboard “ shall be used as a one stop place to track progress and defects.

As a general practice a sprint shall consist of two weeks.

Jira Tasks shall be created to perform testing activities on test Tests sets identified for the sprint. A total of 13 Story points of Tasks are added to the sprint. Story points are allocated based on the complexity of the task.

NOTE: I usually allot a few hours a month towards automation Test Framework maintenance before running enterprise level regressions.and BAU activities.

FOR the bunnings challenge I have worked on it in the following sequence

1.Understanding Requirement

2.Create Test Strategy

3.Tool Selection and framework:I Have decided to implement C# Selenium Test Framework based on tool availability .I have Used Speflow to make the test scenarios more transparent/readable to the person reviewing the framework and directly implement identified scenarios.

4.I identified and documented a few common scenarios I believe the end user would most likely use.Mostly focusing on happy path due to the time constraint I am facing due to my current job and COVID.

5.Created Test Cases for 3 scenarios.

6.Built the C#Selenium Framework for the challenge.

8.Created a code repo.

9.Added scenarios to the test framework and Executed test cases.

NOTE: Framework has areas which can be built better ,however I have kept it simple as the framework can always be streamlined to a organizations testing practices and process.