

Automation Exercise - Trip Planner

Background

'Trip Planner' is a web application for planning trips within New South Wales using the public transport network. As a test automation consultant you are required to create a quick Proof of Concept (POC) for implementing a test automation solution. For the purpose of this exercise we suggest limiting the time spent to around 2 hours.

Task

Create an automated test for the scenario below using open-source tooling (e.g. Selenium) in the language (C#, Java etc) and framework (xUnit, BDD etc) of your choice. Note that although the scenario is defined in Gherkin, a BDD implementation is not mandatory.

Scenario: A trip request can be executed and results returned
 Given Phileas is planning a trip
 When he executes a trip plan from "North Sydney Station" to "Town Hall Station"
 Then a list of trips should be provided

Use the exercise to showcase best-practice software development and test automation techniques.

The URL for Trip planner is <https://transportnsw.info/trip>

Deliverables

- At least one fully-working automated test along with the necessary instructions for installation and execution. This should be provided as a link to an online source code repository, or a zip file.
- A brief Powerpoint (or similar) presentation outlining key aspects of your solution, any assumptions made, and recommended next steps for implementing a complete automation solution.

Outcome

Your solution will be reviewed by one or more senior automation consultants. If you are selected for an interview then the exercise will be used as a basis for further detailed discussion.