**Videoslots Assessment**

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**Description Overview:** This document is regarding technical challenge for Software QA Specialist to work with Videoslots

**Task Description:**

Imagine you are a Software QA Specialist working with the renowned online notes taking Evernote. You are assigned to build an automation framework from scratch, so to build up all the required E2E automation tests.

You are expected to create a structured test automation framework aiming to test UI testing. The framework should include: Feature Files, Step definition classes, Page Objects, Config files and any other layer you deem appropriate (Wrapper Classes, Helper Classes, etc).

The implementation should be planned to be scalable and adaptive for future additional tests.

Tests to be covered:

1. Unsuccessful login using email

2. Successful login using email

3. Login and write a note followed by a logout

4. Login again and make sure you open the note create in step 3

**Solution Implementation:**

1. The Test automation framework implemented here is Cucumber Framework

2. The approached defined or used in this framework are Behaviour Driven Development (BDD)

3. Two separate folders are created for both the test scenario and Each folder has its own base class, feature file, step definition and runner files

* Evernote Login
* Evernote Create Note

5. Execution is done via the created runner file while executed from the IDE

More details on test files are described below:

* **Evernote Login** – The folder has all the required files to test the login functionality
  + BaseClass.java – Generic base reusable methods to use across tests
  + EveryLogin.feature – Feature file which has the steps for login functionality
  + StepDefinition.java – Login test script to be executed based on the steps in feature file
  + TestRunnerEvernote.java – Executable runner to execute the test cases based the login scenario
* **Evernote Create Note** – Folder has all the required files to test the create note functionality
  + BaseClass.java - Generic base reusable methods to use across tests
  + createNote.feature – Feature file which has the steps for create note functionality
  + StepDefNoteCheck.java – Create note test script to be executed based on the steps in feature file
  + RunnerNoteCheck.java - Executable runner to execute the test cases based the create note scenario

**Steps to Execute:**

1. Install [java](https://www.oracle.com/java/technologies/downloads/), - [eclipse](https://www.eclipse.org/downloads/packages/installer) or any IDE
2. Create maven project in eclipse
3. Under pom.xml file in maven project add the below dependencies
   1. Selenium
   2. JUnit
   3. Cucumber-JUnit
   4. Cucumber-Java
   5. Cucumber-Core

Add like below example:

<dependency>

<groupId>io.cucumber</groupId>

<artifactId>cucumber-java</artifactId>

<version>6.10.4</version>

</dependency>

1. Download and have the Chromedriver file in local machine location.
2. Test Execution
   1. Select the runner file from the package which has feature file and step definition
   2. Click on run in IDE and the test script will execute.

**How to check the result:**

1. Pass or fail status for each test case will be updated in the pretty console
2. Another test result file will be created in HTML and JSON format