**Test plan**

**Name of the product:** Automation practice

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**OBJECTIVES:**

Phase 1 of test automation challenge is to automate tests which will help verify that four different parts of the page are working:

* User creation
* Number of popular category products
* Number of best sellers products
* Search field results

Search field results will also be added to text file in same directory as protractor configuration file is already.

Phase 2 of test automation challenge will cover testing four different API calls:

* GET: LIST USERS
* POST: REGISTER UNSUCCESSFUL
* DELET: DELETE
* GET: DELAYED RESPONSE

**SCOPE:**

At the end of phase 1 of test automation challenge, we should be able to run automated test cases covering all 4 parts given in *Objectives.* Results of testing search field should be added to .txt file. Different examples should also be considered while automating test cases so tests wouldn’t be duplicated.

At the end of phase 2 of test automation challenge, we should be able to run tests that will check correct status codes and messages for API’s given in *Objectives.* For automating API calls, smoke suite should be written which will cover asserting correct response code and message for every API.

Other types of testing strategies won’t be covered in current Test Plan.

**TEST AUTOMATION:**

For test automation purposes, both WEB and API automation, Protractor with CucumberJS will be used. Project is formatted using Page Object Model pattern that will help with code reusability and needed future fixes to the code.

For web automation purposes, tests covering different behaviors will be written, and some results that are required will be written to text file.

For API automation, smoke tests will be written and correct responses will be asserted using same tool.

**TEST ENVIRONMENT:**  <http://automationpractice.com>

**TEST AUTOMATION TOOLS:**

* Protractor
* CucumberJS
* Gherkin