QA Human Interview Challenge

Description

The goal of this challenge is to successfully execute all the testing steps on the given websites, starting from QA planning, all the way to reporting.

Assignment

You will perform a QA exercise to evaluate your manual testing and automatization skills. You will need to:
- Do QA planning.
- Create test cases based on the requirements.
- Find bugs on a website and report them on a bug tracking system.
- Set up an automated test suite
- Deliver a test run report document where test case pass and fails can be reviewed

Mandatory Features

- Deliver a detailed planning sheet for each exercise.
- Design good test cases.
- Find as many bugs as possible on each website.
- Keep track of the bug life cycle with your Trello board.
- Show evidence of the bugs. Let us know how critical they are.
- Deliver a test run report and a bug report for each website.
- Deliver a good automation suite. Remember that it should be able to run on any computer. Your evaluator should not take hours guessing how to run it!

Exercise

The e-commerce site https://magento.softwaretestingboard.com/ is under development, and some of the features have to be tested. The website must meet the following requirements:

- Layout should be cross-browser compatible. Supported browsers are IE11, Chrome, Firefox and Safari on their latest versions
- For search, the user should be able to find all products containing the keyword in the product title. *Products not containing the keyword should not display results.*
- Add to cart flow should allow the user to:
  - Add products from category sections and search results.
  - The cart in the header must reflect all products added by the user.
  - Ability to remove items from cart on the header.
  - Users should be presented with a checkout form using Proceed to checkout link on the header cart.
  - Check that the product you select is the same as the one the cart stores (color, size, quantity).
- Create a new account
  - Login to the account once the account has been created
  - Validate that the password and email fields are correct.
- Payment form:
  - Validate that the fields do not accept unwanted characters.
  - Validate form fields are correct.

Perform the following testing tasks:
- Create detailed test cases for the search section, add to cart functionality, and orders and returns form section. *(It is located in the footer of the page)*
- Execute acceptance tests to the above sections based on test cases and requirements.
- Create a board on http://trello.com, create lists for steps on bug resolution and report

bugs. Make sure that it is easy to find bugs for a specific functionality or requirement.
- Create an automation suite for *Orders and Returns* form validation using a tool of your choosing

Deliverables:
- Share a Google spreadsheet including the following information:
  - Detailed test cases.
  - Test run report.
- Create a zip file including your automation suite.
  - Make sure to use well-known libraries, and specify the one you use on the readme.

- ○ Specify what programs need to be installed, and what steps must be followed to run your automation suite.
- Share a trello board including the following information:
  - ○ List structure for bug resolution.
  - ○ Bugs reported.

Bonus

In Addition to the deliverables in each exercise, you may add a test cycle including some test cases with preconditions, steps to reproduce and execution.