Recruitment task

Task: please, provide a simple test automation solution with a test suite for www.modern.co.uk to:
- **Cover "Sort Order" functionality on a 'Product Catalog' page;**
- **Check whether the calculation of an item's price is correct for its different quantities**;
- **Ensure that "Email Sign-Up" block in the footer of a page does have sufficient validation to support relevant functionality**.

Requirements:
- Test object: www.modern.co.uk
- Functionality to cover:
  - Product Catalog
    - Sort Order functionality
  - Shopping Basket
    - Product Price calculation regarding Qty. value.
  - Email Sign-Up block's validation functionality
    - Empty field -> "Enter an email address"
    - Incorrect email format -> "Invalid email address"
- One "positive" and one "negative" test per functional item specified above;
- Test automation tool: PHP-based, Ruby-based, Java-based or CasperJS, but you can use any other if you like.

Definition of done:
- The source code is developed with respect to coding convention of programming language\tool you have chosen;
- Final solution has enough documentation that covers "set up" and "run" for the solution;
- Test scripts have inline comments, which provide corresponding descriptions for classes\methods\steps;
- The final test suite contains three "positive" tests at least;
- Provided tests cover requested functionality only;
- The solution is accessible as a repository on GitHub or BitBucket.

Outcomes: please, share your results with us by replying to the initial email with a URL to your repository in SCM system you have chosen.