APPROACH

1. Used **Selenium IDE** (Version 3.17.0) for the WEB UI tests.
   Reason: Since it is the tool I best know for this type of (UI) test.

   <u>Notes:</u>
   Prerequisites before execution:
   ➔ Cart is empty.
   ➔ No favourites are marked.
   ➔ User is logged out.

   TC 1: Click through homepage product pics and product pics detail page
   TC 2: Open homepage, select product, login and add to chart (verify)
   TC 3: Add product to cart (verify), delete product (verify)
   TC 4: Mark 2 favourites, go to favourites (verify)
   TC 5: Apply filters and sorting, show product detail page, add product to cart (verify)

   All tests PASSED.

   Outcome: No bug(s) / improvement(s) found.

2. Please see separate document: *Manual test plan for the Product Component*

3. Used **Postman** client (v9.0.5) for the REST API tests.
   Reason: Since I did not have experience with API testing before, I took this tool recommended by an ex-colleague.

   <u>Notes:</u>
   Due to time constraints (a self-imposed deadline), some tests could have been more complete:
   Test 3a: Validation of e-mail format is basic; I assume a verification against some schema or function could be done to make a more extensive validation.
   Test 3b: Validation for a single post works; for multiple posts I assume a loop function could be created.
   Test 3c: POST seems to be work fine; validation of the schema however seems to fail. I assume this could be done with a new GET to verify what has been previously posted.