**F1**:

**Positive**: Addition for a book with category in science, book id: abcdef, book title: X, author name: Y and cost: $10.5.

**Negative:** Addition for a book with no category information and failed.

**F2**：

**Positive**: Search for a book by category using keyword science and all books in that category are returned.

**Negative**: Search for a book by category using keyword science and only one of many books in science category is returned.

**F3**：

**Positive**: Customer can add book X into the books order

**Negative:** Customer is not able to add book X into the books order

**F4**：

**Positive**: When a customer clicks on the shopping cart button, he sees the book he just added into the cart with book id abcdef, and the book description “A”, unit cost “$10”, quantity of 1 and the total cost of $10.

**Negative**: When a customer clicks on the shopping cart button, only one of two books he added into the cart is displayed.

**F5**：

**Positive**: Customer A changed the quantity of book B to 0 in the order then the book is removed from the cart.

**Negative**: Customer A changed the quantity of book B to 0 in the order and the book is not removed from the cart.

**F6**:

**Positive**: Customer A clicked check out after adding two books into the cart and the date 2021/07/20, the total cost $57.08, the taxes $5.19, the handling and shipping fee $12.00 are showed on the website.

**Negative**: Customer A clicked check out after adding two books into the cart then only the date 2021/07/20 is showed.

**F7**:

**Positive**: Admin A clicked on the delete button of book B then the book is removed from the catalogue.

**Negative**: Admin A clicked on the delete button of book B but the book is still in the catalogue.

**F8**:

**Positive**: Admin A login in the bookstore with the proper credentials then added a book B to the store

**Negative**: Customer A cannot remove or add books.