**Test cases for Item Creation:**

**Test cases for front end:**

1. Verify that the add new item link is at the top of the page
2. Verify that the add new item is clickable or not
3. Verify that the add new item is redirected to the item creation page when it is clicked
4. Verify that the item creation page has Name, Description, Price and upload photo
5. Verify that the name field has character limitations
6. Verify that the name field is allowing only alphabets
7. Verify that the name field is allowing numbers and special characters
8. Verify that the description has character limitations
9. Verify that the description is allowing only alphabets
10. Verify that the description is allowing special characters and numbers
11. Verify that the price field is allowing only numbers
12. Verify that the price filed has character limitations
13. Verify that the price field is allowing to enter the price in decimal
14. Verify that the price field is allowing alphabets and special characters
15. Verify that to upload photo has any image size restriction
16. Verify that to upload a photo while drag and drop
17. Verify that to upload the photo has options like upload via your computer, google photos, drive
18. Verify that to upload photo has any image type validation like jpg, png like that
19. Verify that to check the preview of the image once it got uploaded
20. Verify that to create an item without name
21. Verify that to create an item without description
22. Verify that to create an item without price
23. Verify that to create an item without image
24. Verify that item name, description and price are mandatory field
25. Verify that to create an item with same name (Item with this name should be already created)
26. Verify that to create an item with same description
27. Verify that to create an item with same price
28. Verify that to create an item with same image
29. Verify that to redirect to the items list page once the item got created
30. Verify that the list of items is displaying the item name, price and image of each item which is created
31. Verify that to have remove button for each of the items in the list
32. Verify that to remove the item from the list by clicking of remove button
33. Verify that to click on the item should redirect to the items page
34. Verify that to show the items information like item name, description, price and the image of the item on items page
35. Verify that the text alignment on all the pages (item creation, item list and item information)
36. Verify that the item information page is allowing user to edit the item details
37. Verify that to display the edited details on the list once the item gets edited
38. Verify that to ask the confirmation before removing the item in the list if user clicked remove item
39. Verify that to maintain the record of the removed item
40. Verify that to allow user to create an item with the same name as removed item
41. Verify that how much item we can add
42. Verify that how much item we can show in the list

**Test cases for backend end:**

1. Verify that to create an item
2. Verify that to edit an item
3. Verify that to remove the item
4. Verify that to list an item
5. Verify that to make a soft copy of item which is removed for future use
6. Verify that the SQL database has entry of all the item which is created
7. Verify that the edited item has updated in the database
8. Verify that to edit the item directly in the database and check it get reflects in the front end
9. Verify that to insert an item in the database and check it gets reflects in the front end
10. Verify that the remove item should not remove the item from the database completely

**Test cases for Automation:**

1. Assert Add New Item button is there on the top of the page
2. Click Add New Item
3. Assert Item Name, Description, Price and Upload Image is there on the page
4. Create New Item with entering Item Name, Description and Price without image and Save
5. Create New Item with entering Item Name, Description and Price with image and Save
6. Verify after item creation it is redirecting to the list of items page
7. Assert that the created item is there on the list
8. Assert that the item has thumbnail
9. Verify that the clicking of item is redirecting to the item’s info page
10. Assert that item’s info page has item details like name, description, price and image
11. Assert that the item list has remove button for each item
12. Validate the success message after the item creation
13. Validate the error message when trying to create an item without mandatory details
14. Validate that the remove is asking for the confirmation before removing the item