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Test Strategy

- For the BStackDemo application, We are going to Perform the following Testing
 1. Execution of Test Scenarios from the Test Scenario Sheet (Functional Testing)
 - a. Cross Browser Testing for the Happy Flows
 - i. Lower versions of IE11,10,9
 - ii. Latest Chrome, Firefox
 - iii. Latest Safari on Mac

Risk mitigation

- BStack Demo Application should work for the Latest and old version of Browsers at Customer's end.
- All the happy flows or requirements should be working without any issue.

Process

- Status of BStackDemo application
 - Developer's have deployed the Web application over the <URL>, Its dev done and unit tested.
- What You need to do
 - You Need to perform the functional testing and CBT for the application.

Methodologies

We are going to perform the following type of testing for the BStackDemo application :

- Functional testing
- Usability testing
- Browser compatibility testing

Scope

In Scope

- User logged in / logged out flows
- Listing of the products.
- Selection from categories.
- Sorting the products from the list.
- Favorite product from the list.
- Complete purchase of the product from the list.
- Order summary of the product purchased.
- Mobile friendly designs/ responsive web application(for all the flows above)
- Geolocation / Special Offers
- Screen Resolutions list [click here](#)

Out of Scope

- Performance Testing
- Security Testing
- Old browsers, Linux OS

Objective

With the BStackDemo Application, as an end user, I can order a product from the list mentioned without any issue. We need to make sure that application should support all major browsers and be mobile friendly. If there is any special offer on my location, I can order a product with offers(or discount)

Feature to be tested :

- User logged in / logged out flows
- Listing of the products.
- Selection from categories.
- Sorting the products from the list.
- Favorite product from the list.
- Complete purchase of the product from the list.
- Order summary of the product purchased.
- Mobile friendly designs/ responsive web application(for all the flows above)
- Geolocation / Special Offers
- Screen Resolutions list <here>

Test Methodology

We are following the the below mentioned testing methodologies:

1. Functional Testing : Type of software testing that validates the software system against the functional requirements/specifications.

The purpose of Functional tests is to test each function of the software application, by providing appropriate input, verifying the output against the Functional requirements.

2. Usability testing : It is also known as User Experience(UX) Testing, is a testing method for measuring how easy and user-friendly a software application is

3. Browser compatibility testing : Cross browser compatibility testing has been gaining a lot of traction in recent years and there is a reason for it. While technology is evolving rapidly, people aren't.

P.S : There are many more testing types we can perform but for the sake of this project we are just concentrating on these.

Bug Triage

Bug triage is the process of going through a list of bugs to find bugs that need assistance, escalation, or follow-up.

Entry Criteria

- BStackDemo Application is deployed with URL
- We have a BrowserStack Account Credentials

Exit Criteria

- All Test scenarios are executed
- All bugs are reported, fixed and resolved.
- No blocked in the release.
- Minor known issues for release are highlighted to the stakeholders.

Roles and Responsibilities

DEV

- Deploy the app to the url bstackdemo.com and verify the initial dev testing is performed.

QA

- You have to execute all the types of testing mentioned above in the Test Strategy.
- Report the bugs to the respective bug reporting team.
- Report any blocker to the team and retest the bugs if required.

Resource & Environment Needs

1. Application Under Test - <https://bstackdemo.com>

2. Necessary credentials are shared on the help page of AUT.
3. Number of Test scenarios X, overall estimates $\frac{1}{2}$ man days(4 hour) to finish the Test scenarios.

Task	Number of Man Days
Execution of All Test Scenario	$\frac{1}{2}$ man day

Tools Required

1. Google Sheet
2. Google Chrome with Free trial BrowserStack.com opened.
3. Bug Reporting via JIRA or Email at bug@bstackdemo.com

Acronyms

1. AUT - Application under Test
2. CBT - [Cross Browser testing](#)

Reference

1. guru99.com