Date: 18/01/2017
Customer Name:
Customer Contact:

# Zuci for Startups - Application Health Report for https://

1. Overview

Z for S or Zuci for Software Startups is a small initiative from Zuci for software startups who have constraints spending time and money on software testing and quality for their applications.

As a part of this initiative, we have performed a quick check on your application quality and a brief report that includes a mindmap of your application, list of defects identified by Zuci on the application and a health report that indicates your application quality.

2. Application Mindmap

The following Mindmap captures the workflow of the application

3. Functional Testing

3.1. Tests Executed

The following tests were executed:

- System Testing
- Compatibility Testing
- Installation Testing

3.2. Browsers / Devices

Devices –

- Samsung Galaxy C7 Pro.
- Samsung Galaxy J2 Ace.
- Samsung Galaxy J1 (4G)
- Samsung Galaxy A7 (2017)
- Samsung Galaxy A5 (2017)
- Samsung Galaxy A3 (2017)
- iPhone 7 (iOS 10.2)
- iPhone 6s (iOS 10.2)
- iPhone 6 (iOS 10.2)

3.3. Defects and Screenshots

S.No	Functionality	Description	Steps to Replicate	Expected Results	Actual results	Defect Severity	Status
1	Wish list	Quantity is not getting updated in Wish list	1. Login as a valid user 2. Browse or search for a product and add to wish list 3. Update Quantity in wish list	Wish list Quantity must get updated	Wish list Quantity does not get updated	Major	Fixed
2	Gift Cards	Gift Card could not be checked out	1. Add a Gift Card to bag and proceed with checkout 2. Fill the user details and proceed with Payment	Gift Card should be checked out and proceed to payment	Gift Card could not be checked out	Major	

3	Deeplink URLs	User could not navigate to a URL Deeplink	1. Search for product, apply filters 2. Copy the URL 3. Go to a new browser session and try to access the URL (Deeplink) which was copied	User should be able to see exact list of products and pre-select filters	The count of products vary and does not see the exact filters which were selected before	Major	
4	Bill me later	**Bill me later** is not enabled on IE	1. Add a product to checkout 2. Navigate to Shipping and Checkout 3. Verify **Bill me later**	User must be able to perform payment via Bill me later	**'Bill me later' option is missing on Firefox**	Fatal	
5	Paypal	**Paypal** is not enabled on IE	1. Add a product to checkout 2. Navigate to Shipping and Checkout 3. Verify Paypal Payment	User must be able to perform payment via Paypal	**'Paypal' option is missing on IE**	Fatal	

4. Non Functional Testing

- Page Choker check
- Application Performance check

4.1 Page Choker check

Zuci's Page Asset Check can help categorize a page based on various asset types and calculate their sizes. Slightly beyond, it works for various technologies like HTML5, Flash, Silverlight, NodeJs etc

Please refer to - https://github.com/zucisystems/pageassetsize

Application URLs	HTML Size (in KB)	CSS Size (in KB)	JS Size (in KB)	XHR Size (in KB)	Image Size (in KB)	Media Size (in KB)	Font Size (in KB)	Other Size (in KB)
██████████████	819	92	568	0	6890	0	110	0
██████████████	3762	609	444	0	65	0	72	1
███████████████	30	179	324	0	1818	0	0	119
█████████	56	36	176	0	2064	1	416	124
████████████	8	37	63	0	4490	0	141	0
████████████████	46	39	476	0	1582	0	11	141
███████████████	19	15	318	0	700	0	0	175
███████████████	44	168	208	0	12438	50805	483	290
███████████	22	173	805	0	5743	0	115	442
██████████████	3	31	269	0	2870	0	0	99

|							
██████████████	2	0	26	0	12	0	0	34
███████████████	34	169	347	0	499	0	133	0
██████████	73	314	716	0	390	0	304	0
████████████	22	34	185	0	1187	0	0	109
███████████	160	1072	996	0	2162	0	142	162
██████████████	190	54	753	0	386	0	25	9
█████████████	36	40	311	0	258	0	112	3
█████████	28	1	628	0	232	0	340	1
█████████████	13	26	145	0	1305	0	59	8
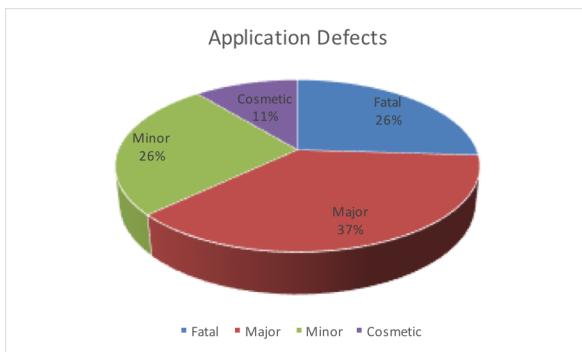
4.2. Application Performance Check

ZUNAS-PT a proprietary Framework developed by Zuci is used here to perform performance check across applications and client side metrics are captured and shown as follows ...
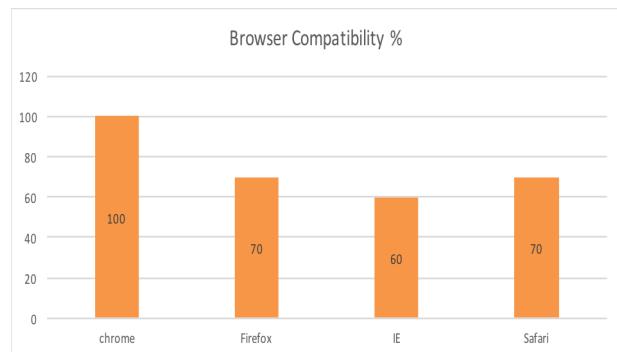
Performance Scenario	Vusers	Average	Min	Max	Error %	Throughput	Avg. Bytes
████████████	100	42401	27652	61707	0	2	14856
████████████	100	26103	16996	38784	0	1	14530
████████████	100	16381	5975	30981	0	1	10113
████████████	100	12952	4508	24927	0	1	6934
█████████████	100	14170	6129	36843	0	1	6934
█████████████	100	12414	3681	25856	0	1	6934
█████████████	100	54057	33245	86292	0	1	35860
█████████	100	4229	867	11205	0	1	5608
█████████████	100	18263	10436	33527	0	1	12542
█████████████	100	15342	4211	28018	0	1	7310
███████████	100	15656	6875	30561	0	1	12542

5. Test Summary
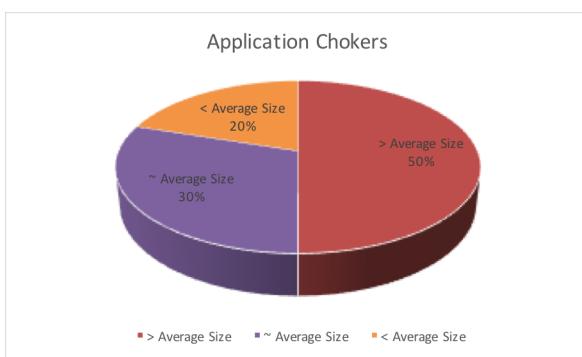
5.1. Functional Check

Application Defects

- Fatal 26%
- Major 37%
- Minor 26%
- Cosmetic 11%

■ Fatal   ■ Major   ■ Minor   ■ Cosmetic

5.2. Compatibility Check

Browser Compatibility %

Browser	%
chrome	100
Firefox	70
IE	60
Safari	70

5.3. Page Choker Check

Application Chokers

- > Average Size 50%
- ~ Average Size 30%
- < Average Size 20%

■ > Average Size   ■ ~ Average Size   ■ < Average Size

5.4. Performance Check

Application Performance

- > Far from BenchMark 50%
- ~ Around BenchMark 30%
- < BenchMark 20%
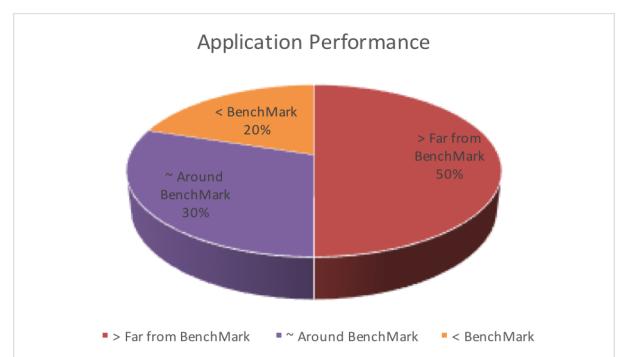
■ > Far from BenchMark   ■ ~ Around BenchMark   ■ < BenchMark

5.5. Overall Application Health Check

VERY POOR   POOR   FAIR   GOOD   EXCELLENT