



TEST PLAN DOCUMENT

Introduction to a team: -

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	Name	Designation	Version Number	Date
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Reviewed by	Qasim AbAss	Project Manager		
Updated by	Tabish Ishtiaq	Quality Analyst		

Introduction of Buraq Tech Web Application: -

BuraqTech is a leading Web Development and Designing service online company In Pakistan which provides web and mobile application solutions with high quality interface and layout etc. Users can contact them and access to their completed projects, demos and subscribed to a company provided plans.

Experiences: -

Core experience in the software development, web designing & development, mobile application development, online payment integration, e-commerce solution, SEO services.

Target Customer's Market: -

Australia, Canada, Pakistan, and the US

The Basic Functionality of Application

- 1) User can contact to company through Email, Contact Number, Social site links, Contact Us and Online Help Support.
- 2) User can Subscribe to four different plans for development according to their requirement.
- 3) User can Access to demo to understand company strength-ability and capability.
- 4) User can Read about the company profile.
- 5) User can Read about the offered Services from Company.
- 6) User Can Read Company Blog
- 7) User can discover company's completed Projects.
- 8) User can access to company's location through google map.
- 9) User can also search the site internally by Using keywords such as SEO, WEB, Development.
- 10) User can Sign In to Demo projects with valid credentials.
- 11) User should get proper Notification or messages at certain functionalities

Purpose of this document: -

This Document is to determine **Scopes, Strategy to be adopted, Methodologies, Scope of test, General Resources to be required and process to be adopted** to perform Test, Prepared for Buraq Tech.

Scope of Test Approach: -

In Scope: -

Web Application (Front end)

The basic features of the web application are: -

- 1) Headers and Footers (Front End)
- 2) Home Page (Front End)
- 3) About Us (Front End)
- 4) Services (Front End)
- 5) Blog (Front End)
- 6) Portfolio (Front End)
- 7) Contact Us (Front End)
- 8) Search Bar (Front End)
- 9) Online Support (Front End)

QA Resources Allocated:

- 1) Syed Tabish Ishtiaq

QA Backup Resource

Asim Abbas

Out of Scope: -

Unit Testing, Environment Setup and troubleshooting

Testing Types: -

Black Box Testing: -

- Exploratory Testing

W3C Validation: -

- Applied on whole application code

Functional Testing: - (Automation Tool: Selenium IDE and Web driver and language: Python)

- Component Testing.
- Smoke Testing.
- Integration Testing.
- Regression Testing.
- Sanity Testing.
- System Testing.
- User Acceptance Testing.

Non-Functional Testing: -

- Performance Testing.
- Load Testing.
- Compatibility Testing.
- Usability Testing.

System Test Entrance/Exit Criteria

Entrance Criteria

- All developed code must be unit tested, smoke tested and sanity tested
- Unit Testing, Smoking Testing and Sanity Testing along with Fixed and Non-Fixed Bug Reports (Screen Shots)
- Test Environment is setup (Required Software's are Installed on QA system)
- Test Data, Access to DB, User Accounts, Credentials (DEMO Projects)

Exit Criteria

- All High Priority errors from System Test must be fixed and tested
- If any medium or low-priority errors are outstanding - the implementation risk must be acceptable by Business representative.
- Full project team must be comfortable with the quality of project before going to Production.
- Final Sign Off by Stack holders and Business IT personal.

Deployment Test Plan: -

Testing Environment Framework and IDE: -

- **Pytest**
- **Pycharm IDE**
- **Selenium Suite**
- **Python**
- **Testing Server**
- **Path for Test and Stage: -**
 - Ask developers to make Test and Stage environment backups.
 - Ask developers to copy database from Production to Test and Stage.
 - Announce a Code Freeze for the entire development team.
 - Retest new features and bug fixes.
 - Perform general smoke testing using checklists.
 - Report all bugs, categorizing them with a consistent metric for urgency.
 - Test urgent bug fixes and engage in regression testing of this functionality.
 - When Test and Stage is tested and has no major and/or minor bugs (depending on the project), — announce deployment.

Production: -

- Ask developers to make Production environment backups.
- Live Server
- Real User's Accessibility
- When Stage is tested and has no major and/or minor bugs (depending on the project)
- Announce deployment.

Deliverables: -

Daily Scrum Meeting (Duration:15 Minutes)

- Conduct Discussion on progress of work
- Resolves Issues

Bug Status Summary: -

- Bug reports/status updates will be provided daily at the PM's discretion or Project Management Tool.

Testing Process: -

Testing: -

- Prototypes and Mockups
 - GUI / UI
 - Cosmetic Bugs
- W3C Validation
- Manual Testing

- Automation Testing
- QA executes Test Cases
- Prepare Test Execution Report
- Prepare Bug Report
- Prepare Test Summary Report

Reporting: -

- QA will report using tool such as Jira, Trello etc.
- QA Assign Bug to Project Manager (PM)

Fixing: -

- Developer will fix the bug assign back to QA

Verification: -

- QA will verify the bug fixes

Closure: -

- If Bug is fix QA will close the bug

Not Fixed: -

- QA will reassign bug to Developer

Error Management & Configuration Management: -

- During System Test, errors will be reported in project management tool as they are detected on test environment.

Duplication of Bug: -

- If in case of duplication of bugs, PM shall close the duplicated bugs to avoid re-work or move for next sprint.
- QA will not open new bugs in case of found old bugs again will reopen the bug.

Bugs Priority Levels: -

Bugs, which are agreed as valid, will be categorized as follows by the Error Review Team: -

- **Priority 1**- Serious errors that prevent System test of a particular function continuing or serious data type error
- **Priority 2** - Serious or missing data related errors that will not prevent implementation.
- **Priority 3** - Minor errors that do not prevent or hinder functionality.

Testing Needs: -

- Test System for Application
- Pycharm IDE
- Python
- Selenium Suite
- System Requirement Specification (SRS)
- Functional Requirement Specifications(FRS)

Demo Project's Needs: -

- Access to DB
- User Accounts Credentials

- Test Data

Issues/Risks: -

- No Changes or Inclusions will be entertained in this release.

Exceptions: -

- Requires expressed permission of Project Manager and Stakeholders for acquiring changes.
- If the changes required extra efforts of test team, then the whole cycle of testing can be changed for retesting and replanning of Test Cycle.
- Extra time and efforts will be required

Assumptions: -

- Project will be delivered on time.
- Project is of the required quality.
- Required resources available.
- All documentation will be up to date and delivered to the system test team