Test Plan – Past Book-V1.0.0

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|  |  |
| --- | --- |
| **Target release** | **Details** |
| **Version & Date** | Version\_1.0.0 - 2021-09-12 |
| **Status** | Approval Pending |
| **Reviewer** | VP / Architect / Team |
| **EPIC(s)** |  |
| **Author(s)** | QE |

## **Introduction**

This document is describing software testing scope and activities of Past Book V\_1.0.0

* **Introduction about the project**

Past *Book* is the easiest and fastest way to relive your memories from any device, anytime you want.

**Architectural diagram**

Not Specified.

### **Acronyms and Abbreviations**

|  |  |
| --- | --- |
| **Acronym / Abbreviation** | **Denotation** |
| STG | Staging |

### **Feature / Release Overview**

* Create Email Account
* Password Send by email
* Change Password
* Create Book
* Sign Out
* Sign in

## **Testing Scope**

### **Functionality - In Scope**

|  |  |
| --- | --- |
| **Functionality** | **Remark** |
| * Create Email Account | * User can be able to create Past Book account with their own Email Account. |
| * Password Send by email | * Password will be received to the email once user create Email Account * User can be sing into the system with above password |
| * Change Password | * User can be able to changed password in user profile |
| * Create Book | * User can be able to create Book with Random photos. (Upload photos by “My device” * Available image Size   + A4 (12×8.5 inches or 30x21cm)   + A5 (8.5×6 inches or 21x15cm). |
| * Sign Out | * User Can be able to sign out from the system once click on Sign out button * User Will be automatically sign out from the system when session expiring |
| * Sign in | * User Can be able to sign in with password that sent to email when creating account * User Can be able to sign in with changed password in User profile |

### **2.2 Non-Functional Requirement**

- Usability Testing

- Security Testing

### **2.3 Functional Requirement – Out of Scope**

- Sign in with Facebook Account

- Upload photos by Instagram/Facebook/Google Drive/Drop Box/OneDrive/Google Photo/Box/Take Photo

- Performance Testing

- Browser compatibility – Test with only Chrome browser

### **Impacted Components & Dependencies**

|  |  |
| --- | --- |
| **Affected components / Services** | **Dependencies** |
| * Front End * Back End |  |

## **Test Approach**

### **Test Design and Approach**

* The Test scenarios and test cases will be based on the given requirements.
* Test results will be updated for each JIRA User Story in a separate google sheet and will be attached as a comment.

|  |  |  |  |
| --- | --- | --- | --- |
| **Test Type** | **Risk** | **Probability** | **Impact** |
| Functional | Account creation will be  failed due to Invalid  Implementation. | Medium | High |
| Functional | Cannot Verified Uploading image types due to unspecified | High | Impact |
| Functional | Cannot Verify length of fields due to the unspecified | Law | Medium |
| Usability | There can be  usability issues in  the implemented  modules. | Medium | Law |
| Compatibility | Verify with only Chrome browser due to the time frame | Medium | High |
| Automation | Script will brake due to the code change in the application | medium | High |
| Security | Unauthorized access can be occurred due to the lack of security. | Medium | High |

### **Test Environment**

|  |  |  |
| --- | --- | --- |
| **Environment** | **URL** | **Test Level** |
| QA | <https://moments.pastbook.com/> | * Functional * Usability * Automation |
| STG | N/A | N/A |
| Production | N/A | N/A |

### **Test Data**

* Email – [tgshashikashiromini@gmail.com](mailto:tgshashikashiromini@gmail.com)

### **3.4 Testing tool**

1.Test Cases Writing – Excel

2.Automation Testing – Selenium / Test Ng

3.Build Tool - Maven

### **3.5 Automation Approach**

- Writing Test Script only for the Happy Path and negative scenarios will be not covered

due to the time frame.

## **4.Entry & Exit Criteria**

### **4.1 Entry Criteria**

- Build is successfully deployed to staging environment

### **4.2 Exit Criteria**

- All planned test cases executed and completed successfully.

- No High Severity or High Priority bugs.

- All functional requirements mentioned in the requirement

## **5.Test Deliverables & Responsibilities**

|  |  |  |  |
| --- | --- | --- | --- |
| **Deliverables** | **Start** | **Finish** | **Status** |
| Test Plan | 2021-09-12 | 2021-09-12 | Complete |
| Test Design | 2021-09-12 | 2021-09-12 | Not Start |
| Test Cases | 2021-09-12 | 2021-09-12 | Not Start |
| Automation Test scripts | 2021-09-13 | 2021-09-13 | Complete |
| Test summary Report | 2021-09-13 | 2021-09-13 | Complete |

## **6.Test Metrics**

|  |  |  |  |
| --- | --- | --- | --- |
| **Metric** | **Responsible** | **Target** | **Actual** |
| Unit test coverage | Dev | > 80% | N/A |
| Sonar Quality gate | Dev | Passed | N/A |
| Acceptance test coverage | QE | 100% | N/A |
| Automation test coverage | QE | 100% | 60% |
| Defect leakage to Staging | QE | < 5% |  |

## **7. Project Testing Risk Assumption**

* All the Requirement are finalized, and Test Cases are written base on give requirement by the assignment,
* Uploaded image sized defined base on with help action in current system.
* Application is tested for Google Chrome Version 93.0.4577.63 running in 64-bit Windows environment.
* Test Environments are stable for the entire duration.