**Sprint Test Plan**

**Introduction**

* This document gives an overview about the test approach in sprint 04/2022 for the TestSmith app. The tests will be executed in form of scripted tests and exploratory tests.
* Regression tests will be done with automated tests.
* This test cycle is the final User Acceptance Test and will be the input for the Go-Live decision.

**Risks**

* The new payment gateway can only be tested on the production system. If the test fail, we must execute a redeployment without the new gateway. Since there is the possibility to have a downtime, the deployment to production must be planned and executed between 9am-11am CEST.

**In Scope**

* 3466: New password hash calculation
* 3478: New payment methods added
  + Tests can only be executed against a mock. After deployment an acceptance test must be executed in production with the RBI-UAT user.
* 3490: Authentication open-source library auth-X32 replaced by auth-XX64 due to critical vulnerabilities findings
* 3499: checkout flow extended with login step
* 5002: data migration table accounts/customer into new data model

**Out of Scope**

* 4555: Typos in imprint (will not be tested due to low risk)
* 3489: New feature “Contact” (only the UI for UX tests, will not be enabled – UAT in next sprint when the API’s are available)

**Test Objects**

* Web-UI
* Use Cases
* Payment Gateway
* Data tables in DB

**Test Objectives**

* Quality Attributes ISO-9126
  + Functionality
  + Usability
  + Performance
* Quality Attributes ISO-25001 (Data)
  + Data Integrity
  + Data Consistency

**Test Stages**

* Component Test (not in scope)
* System Test (not in scope)
* System Integration Test (Payment Gateway is mocked)
* User Acceptance Test
  + The finale validation is only possible after deployment to production since we do not have a test payment gateway.

**Test Documentation**

* Test Plans
  + Product Test Plan <Link to Product Test Plan>.
  + Sprint Test Plan <this document>.
* Test Specifications are available in Jira <Link to Test Set>.
* Test Summary Report are available in Confluence <Link to Test Summary Report>

**Test Environments**

* SYS01-Test (System Test & System Integration Test)
  + Test Data Set USER-3245-SYS01 must be installed.
* SYS02-PreProd (User Acceptance Tests)
  + Test Data Set USER-3245-SYS02 must be installed.
* PROD12 (User Acceptance Test for payment gateway)
  + RBI-UAT user must be activated for test. After the test the RBI-UAT user must be deactivatet.

**Responsibilities**

* The new data model must be tested by the Data Engineers.
* Service Desk must communicate and control the downtime for the tests of the payment gateway.