

# Acceptance Test Plan

## ***Sprint 7 – User Acceptance Testing***

***Project:*** Personalized Study Planner

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## **1. Introduction**

This updated **Acceptance Testing Plan** outlines the approach for the final **User Acceptance Testing** (UAT) of the **Personalized Study Planner** project, including:

- **Functional Testing**
- **Usability Testing**
- **Performance Testing** (using JMeter)
- **Reliability Testing** (long session tests)
- **Code Quality Confirmation** (via Checkstyle, SpotBugs, SonarQube)

## **2. Objectives**

- **Validate** all system functionality under real usage scenarios.
- **Ensure** multilingual support (English, Polish, Chinese).
- **Verify** application reliability under extended session durations.
- **Test** performance under load.
- **Identify** and document any defects.

### 3. Acceptance Criteria

#	Requirement	Acceptance Criteria
1	Multi-language UI (EN/PL/ZH)	Correct dynamic update and persistence of language.
2	Full Authentication Cycle	Register → Login → Use App in selected language.
3	Planner Management	Create, view, delete, update planners localized per language.
4	Schedule Management	Add/view assignments/exams/classes.
5	Update Status of Items	Proper state change with language persistence.
6	Performance	No delays under 50 concurrent users.
7	Reliability	No crashes or logout after 2h session.

### 4. Updated Test Scenarios:

Test ID	Test Scenario	Preconditions	Expected Result	Post-condition
TC01	Register & Login (EN/PL/ZH)	App running, on the login page	Successful registration/login in selected language	User is logged in and on the main dashboard in selected language.
TC02	Create Planner (localized)	User logged in and on the dashboard	Planner created and displayed per selected language	Planner is successfully created and displayed in the user's planner list, localized.
TC03	View All Planners (localized)	User logged in, has created planners	All created planners appear, localized	All planners are displayed with content localized in the selected language.
TC04	Select and Manage Planner	At least one planner exists	Selected planner opens in calendar view	Selected planner is updated with new details.
TC05	Delete a Planner	User has at least one planner	Confirmation & deletion, list updates	Planner is deleted from the list.
TC06	Add Assignment/Exam/Class	User has created a planner	Items appear properly, localized	Assignment/exam/class is added to the planner.

Test ID	Test Scenario	Preconditions	Expected Result	Post-condition
TC07	Update Assignment Status	User has added an assignment	Status update visible, localized	Assignment status is updated correctly.
TC08	Session Reliability Test (2h)	User is logged in	No forced logout or crash after 2-hour session	No crashes or forced logout after 2 hours.
TC09	Performance Test (JMeter 50 users)	JMeter environment set up	Response times < 3s	The system passes performance requirements, with response times under 3 seconds for 50 concurrent users.
TC10	Multi-language Switching Mid-session	User is logged in and interacting	UI updates to reflect new language, content remains consistent	The app is fully functional with the new language setting.

## 5. Test Data

- Users: testuser\_en / testuser\_pl / testuser\_zh
- Passwords: password123 / haslo123 / 密码123
- Sample planners and scheduled items created in advance.

## 6. Roles and Responsibilities

Role	Name	Responsibility
QA Leaders	Łukasz Pelikan, Ksawery Raszczak	Manage execution, record defects
Developers	Łukasz Pelikan, Zishan Ashaduzzaman	Fix bugs if found
Product Owner	Amir Dirin	Final sign-off

## 7. Environment

- OS: Windows/macOS/Linux
- Java 17
- Database: PostgreSQL
- Maven, IntelliJ IDEA
- JavaFX UI
- SonarQube + SonarScanner
- JMeter (performance test)
- Jenkins (optional – if time allows)

## 8. Test Report Template (for execution)

Test ID	Language	Status (Pass/Fail)	Severity	Notes/Bugs Found	Comments
TC01	EN	Pass	-	-	-
TC02	PL	Pass	-	-	-
TC03	ZH	Pass	-	-	-
TC04	EN	Pass	-	-	-
TC05	PL	Pass	-	-	-
TC06	ZH	Pass	-	-	-
TC07	EN	Pass	-	-	-
TC08	PL	Pass	-	-	-
TC09	ZH	Pass	-	-	-
TC10	EN	Pass	-	-	-

## **9. Sign-Off Criteria**

- 100% of critical functionalities must pass.
- No Critical/High severity defects open.
- Full UI/UX compliance in all three languages.
- System sustains load and long session requirements.

## **10. Conclusion**

Upon successful test completion, the Personalized Study Planner will be cleared for the final production preparations (Sprint 8).