Test STRATEGY

*FHAD Dashboard Enhancements*

Version *1.0*

*14/12/2024*

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| 1.0 | 14-12-2024 | Kholil Akhmad |  |
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# **INTRODUCTION**

The FHAD Dashboard project aims to enhance customer service (CS) tools at FIT HUB clubs by implementing several key features. These include enabling pilates transactions, integrating promotions, and improving class booking experiences on the mobile app. This document outlines the test strategy to ensure the successful delivery of high-quality features across multiple milestones.

# **OBJECTIVES**

* Validate the correctness, reliability, and usability of features implemented across the milestones.
* Ensure system-wide stability by addressing dependencies with other squads and functionalities.
* Mitigate risks and ensure customer satisfaction by delivering a seamless user experience.

# **SCOPE**

**Features to be Tested**:

1. Milestone 1: Create Pilates Transaction on FHAD Dashboard

* Transaction creation, modification, and validation.
* Payment calculations and integration.
* Data synchronization with user profiles and transaction logs.

1. Milestone 2: Promotion for Pilates Transactions

* Application of promotional discounts.
* Display and consistency of promotional information.
* Regression testing of core functionalities from Milestone 1.

1. Milestone 3: Class Booking Experience on Apps

* Booking workflows: browsing, selecting, booking, and canceling classes.
* Synchronization between apps and FHAD Dashboard.
* Impact on user profiles and membership statuses.

**Features Out of Scope:**

* Backend system upgrades unrelated to the FHAD Dashboard.
* Changes to unrelated CSAT evaluation methods.

# **TESTING PRIORITIES**

* Core functionalities for each milestone (e.g., pilates transactions, promotions, and class booking).
* Integration with connected systems (user profiles, payment gateways, etc.).
* User experience and customer satisfaction validation.
* Regression testing to ensure previous functionalities are unaffected.

# **STRATEGY / APPROACH**



## **Types of Testing**

* Unit Testing: Developers to test individual modules for Milestone 1, 2, and 3 functionalities.
* System Integration Testing (SIT): End-to-end testing to ensure correct data flow between the dashboard, apps, and related systems like user profiles.
* Regression Testing: Verify that new functionalities do not disrupt existing features, particularly membership logs and CSAT systems.
* User Acceptance Testing (UAT): Conducted by CS staff to validate real-world scenarios like purchase workflows and class bookings.
* Performance Testing: Ensure the dashboard and apps can handle simultaneous class bookings and large transaction volumes.

## **Test Levels**

* Unit Testing: Verify individual components and functions during development.
* Integration Testing: Test interactions between FHAD Dashboard, user profiles, apps, and payment systems.
* System Testing: Validate the complete system, including workflows and business logic.
* User Acceptance Testing (UAT): Ensure features meet business and user needs.

# **TEST EXECUITON PLAN**

Milestone-Specific Timelines

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Testing Duration** | **Focus** |
| Milestone 1 : Create Pilates Transactions | 2 days | Core functionality, data integrity, and payment integration |
| Milestone 2 : Promotions for Pilates Transactions | 2 days | Discount application, UI consistency, and regression testing |
| Milestone 3 : Class Booking on Apps | 3 days | End-to-end workflows, app synchronization, and final UAT |

# **TEST ENVIRONTMENT**

|  |  |  |
| --- | --- | --- |
| **Systems** | | **Tools** |
| FHAD Dashboard, Mobile App (iOS and Android), Backend Systems | Test Management: Jira, TestRail.  Automation: Selenium, Appium. Performance: JMeter, K6. | |

# **ASSUMPTIONS, RISKS AND DEPENDENCIES**



## **Assumptions**

* All necessary APIs and backend systems are available for testing.
* Adequate time is allocated for SIT and UAT phases.
* All squads will adhere to project timelines for dependent modules.

## **Risks**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **#** | **Risk** | **Probability** | **Impact** | **Mitigation** |
|  | Integration delays from dependent squads | *High* | *High* | Use mock services for testing until dependencies are ready. |
|  | Promotional logic errors | *Medium* | *High* | Test edge cases for discounts and validate calculations. |
|  | Customer dissatisfaction with new features | *Medium* | *Medium* | Conduct usability tests and address feedback early. |

## **Dependencies**

* Membership and User Profile updates.
* APIs for class booking and transactions.
* Availability of promotional rules and configurations.