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| JALA TECH |
| Odoo Developer Test Submission |
| Odoo V16 |

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| Shafilah AF  3-4-2025 |

Contents

[OBJECTIVE 2](#_Toc192038757)

[1. ACCEPTANCE TESTING SCOPE 2](#_Toc192038758)

[2. Performance Analysis and Optimization Plan 4](#_Toc192038759)

[Objective 4](#_Toc192038760)

[Test Code and Profiling 4](#_Toc192038761)

[Optimization Plan 4](#_Toc192038762)

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| **DOCUMENT INFORMATION** | |
| **Project Name** | Custom Module Project Management and Synchronization between Odoo and Trello. |
| **Purpose** | Odoo developer test. |
| **Author** | Shafilah A.F. |
| **Github Link** | <https://github.com/shafilahaf/odoo_test_JALA> |

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| **DOCUMENT HISTORY** | | | |
| **Version** | **Date** | **Summary of Change** | **Author** |
| 1.0 | 03/04/2024 | Release Version | Shafilah A.F. |
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# OBJECTIVE

The objective of this User Acceptance Testing (UAT) is to validate the functionality, reliability, and efficiency of the custom module for Project Management and Synchronization between Odoo and Trello.

# 1. ACCEPTANCE TESTING SCOPE

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| **Task 1 Tests – Custom Module** | | | | | | |
| **Test Case ID** | **Module** | **Test Scenario** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Scope** |
| TC001 | Project Management | Create Record | 1. Open Project Management  2. Click NEW Button  3. Fill Nama Proyek field, Deskripsi field, etc.  4. After that, click ‘Save Manually’ button (cloud icon) | Project record is successfully created and displayed in the project list. |  | Odoo |
| TC002 | Project Management | Edit Record | 1. Open Project Management  2. Open the form of an existing record  3. Modify the Nama Proyek field, Deskripsi field, etc.  5. Click ‘Save Manually’ to save the changes | Project details are successfully updated and displayed in the project list. |  | Odoo |
| TC003 | Project Management | Change Status | 1. Select an existing record  2. Click on the Status field (*statusbar*)  3. Select **Selesai** or **Ditangguhkan**  Note : Ensure that the **Outgoing Mail Server** is correctly configured in Odoo to allow email notifications to be sent when the project status changes. | Project status is updated, and an email notification is sent to the project owner. |  | Odoo |
| TC004 | Project Management | Delete Record | 1. Select an existing project  2. Click the Delete button in Action  3. Confirm deletion | Project record is successfully removed from the project list. |  | Odoo |

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| **Task 2 Tests - Integration with External Systems.** | | | | | | |
| **Test Case ID** | **Module** | **Test Scenario** | **Steps to Execute** | **Expected Result** | **Actual Result** | **Scope** |
| TC001 | Project Management | Setup Trello | 1. Open Project Management menu  2. Select Trello menu and go to **Setup** sub menu  3.In the Trello Setup, enter the following:  - Name: Test Trello Setup  - Get Trello API Key, API Secret, and Token from <https://trello.com/power-ups/admin/> or using **Shafilah’s credential (it is dummy)**  Trello Login (Using Gmail) :  Email : [shafilahdummy@gmail.com](mailto:shafilahdummy@gmail.com)  Password : shafilah123  Trello API Key :  1f5fbaac03dafbd575719926b0ec3443  Trello API Secret:  bd6308854a97ba9cf239e97ff7890ff239ac51dcdf47a0e22a6c565aa6fc03ad  Trello Token:  ATTA34dd31521865b51baf33de6bf1fb4710d72418ec1b1e249cf925d1eab9c1489200063D3A  4. Click **TEST CONNECTION** button to ensure the connection is successful or failed | Trello setup is saved correctly |  | Odoo |
| TC002 | Project Management | Synchronize Trello | For synchronize Trello Project to Odoo  1. Enable synchronization of Trello members, boards, lists, and cards with Odoo  2. Click **Sync** button  3. After enabling all synchronizations, check the **Project** menu.  Note:  Trello members 🡺 Create new member in Contact and automatically create user (default password : 1234)  Trello Boards 🡺 Check in Configuration and select Projects. This will create corresponding boards in Odoo  Trello Lists 🡺 Check in Configuration and select Task Stages. This will sync the stage in Trello to Odoo  Trello Card 🡺 Navigate to the **Projects** menu and open the board that was created from Trello. This will create task from Trello | Synchronization options are configured. The system is integrated with Trello and ready to use |  | Odoo |
| TC003 | Projects | Edit Name (Sync to Trello) | 1. Open the **Projects** menu in Odoo  2. Select an existing task that was synced from Trello.  3. Modify the **Name/Title** field  5. Click Save.  2. Check if the name is updated in Trello as well.  Note:  Right now, only update Name/Title of the project is updated and synced with Trello. Other fields are not synced at this moment | The **Name/Title** of the project in Odoo is successfully updated. After saving, the new **Name/Title** is synchronized and reflected in the corresponding Trello board. |  | Odoo |
| TC004 | Project Management | Setup Trello Webhook | 1. Open **Project Management** menu and select navigate to **Trello**.  2. Click **Trello Webhook** submenu  3. Create new record  4. Select Project and fill Call-Back URL. Current using <https://webhook.site/>. **Copy unique url from Webhook Site** and **paste in Call-Back URL field**. (This is necessary because the URL needs to be in **https** format)  Or using Shafilah’s unique URL (copy and paste in Call-Back URL):  <https://webhook.site/5927534c-cb3f-4c18-abe0-3b93c2122bdc>  5. Click Create Webhook. If **Webhook ID, Webhook Description and Active** are populated, the webhook creation is successful |  |  | Odoo |
| TC004 | - | Move Trello Card into Another Stage | 1. Open Trello Workspace in website  2. Drag and drop card into other stage (example: Card from Active to Done)  Note:  Currently, only the **status** of the Trello card is updated when moved to another stage. Other card details are not affected. |  |  | Trello Web |
| TC005 | - | Fetch JSON From Webhook Site | Back to Trello Webhook  1. Click **Fetch** button to create Logs from Webhook Site to Odoo.  2. Go to the Trello menu and select the Logs submenu.  3. After fetching the logs, verify that the '**Actions Key**' action (e.g., *action\_move\_card\_from\_list\_to\_list*) updates the stage in the Project Task module in Odoo.  4. Go to **Project** menu and select an existing project that was synced from Trello. Ensure that the tasks stage in both Odoo and Trello is the same after the update. | The webhook is successfully created, with the Webhook ID, Webhook Description, and Active fields populated. Logs are successfully fetched from the Webhook Site and created in Odoo. The logs can be viewed under the Trello menu in the Logs submenu. |  | Odoo |

# 2. Performance Analysis and Optimization Plan

## Objective

Conduct a performance analysis of a complex Odoo module and identify area for optimization. Create plan to improve its performance.

## Test Code and Profiling

A screen shot of a computer program

AI-generated content may be incorrect.

Performance Analysis:

The above code executes two database queries using pg\_sleep() to simulate delays:

* \_query\_test1 introduces a 10-second delay.
* \_query\_test2 introduces a 20-second delay.

When these queries are executed sequentially, the total delay is 30 seconds. However, the reported total duration is 39.23 seconds, indicating that additional processing time is spent on other tasks, such as handling data or managing the backend logic.

## Optimization Plan

1. From above code, remove pg\_sleep() queries. These queries are used for testing purposes, and should be removed in production environments to avoid unnecessary delays
2. Using job queues to handle long-running processes in the background
3. Implementing asynchronous functions using decorators like *@job* in odoo.