Odoo Assignment

Objective

Develop a specific, limited-scope 'Vendor Self-Service Portal' module for Fatmug Designs, focusing on essential functionalities that demonstrate a breadth of knowledge in Odoo development.

Assignment Overview

This assignment is designed to assess your ability to implement key features in Odoo while maintaining a manageable scope suitable for a short time frame.

Specific Module Requirements

Forecast Viewing Functionality

- Develop a feature where vendors can view a basic list of upcoming demand forecasts for the next quarter.
- Forecasts should be displayed in a simple table format showing product name, expected quantity, and forecast date.

Order Adjustment Request Submission

- Implement a form where vendors can submit adjustment requests for existing orders.
- The form should include fields for order reference, requested adjustment, and a simple text box for additional comments.
- Submissions should generate an automated email notification to Fatmug Designs' procurement team.

Data Structures and Models

Forecast Viewing Functionality

- Model Structure: Create a model vendor.forecast with fields:
  - product_id: Many2one relation to product.product.
  - expected_quantity: Integer.
  - forecast_date: Date.
- View Design: A list view showing product name, expected quantity, and forecast date.
- Access Rights: Read-only access for vendors.

Order Adjustment Request Submission

- Model Structure: Create a model vendor.adjustment.request with fields:
  - order_id: Many2one relation to sale.order.
  - adjustment_detail: Text.
  - comment: Text.
- Form View: A form allowing vendors to submit adjustment details and comments.
- Automated Email Notification: Use Odoo's email template feature to notify the procurement team upon submission.

Integration with Existing Systems

- Integrate the new module with Odoo's existing order management system, particularly for referencing sale.order in the adjustment request.
- Utilise Odoo's email framework for automated notifications.

Technical Requirements

Odoo Compatibility
- Ensure compatibility with Odoo version 16.

Modular Design
- Follow Odoo's modular architecture for easy integration and future scalability.

Code Quality
- Write clean, well-commented code following Odoo's coding standards.

Simple Integration
- Ensure basic integration with Odoo's existing order management and email notification systems.

Deliverables

Module Package
- A working 'Vendor Self-Service Portal' module with the specified features.
- Source code with comments for clarity.

Installation Guide
- A concise README file explaining how to install and configure the module.

Feature Documentation
- A brief document outlining the functionality of the implemented features.

Assessment Criteria

Functionality
- The module must function as specified, with all core features working correctly.

Code Quality
- Code should be clean, efficient, and adhere to standard practices.

Usability
- The module should be user-friendly and align with basic Odoo UI/UX standards.

Submission Instructions

- Package your module and documentation.
- Submit via email as a zip file or a link to a version control repository.
- Include your full contact information.

Additional Guidance

- Focus on Core Functionalities: Prioritise the development of the key features outlined.
- Avoid Over-Engineering: Keep solutions straightforward and avoid unnecessary complexity.
- Test Thoroughly: Ensure that the features are well-tested and free of major bugs.

Final Note

This assignment is designed to evaluate your ability to work with Odoo's framework and develop functional, user-friendly features within a limited scope. Focus on delivering well-constructed, tested, and documented functionalities.