

Status Report

Eredox Team

Project: Odoo 17 SaaS Customization, FastAPI Backend, React Frontend

Odoo 17 Setup & Customization

Backend Work:

- Deployed Odoo 17 using Docker and configured the system on a live server.
- Installed and configured SaaS and utility all the modules in `app_ai`, `s_odoo_saas_master`, `app_ai_deepseek`, `eredox_attachments` and other ones .

Frontend Work:

- Installed and customized `spiffy_themes` and other Odoo themes.
- Integrated Eredox logo and branding throughout the Odoo interface.

Branding Cleanup:

- Removed Chinese redirections, `odooai.cn` branding, and outbound links.
- Replaced all such branding materials with Eredox branding.

Summary:

The Odoo 17 instance is now branded and tailored for Eredox SaaS with custom themes and essential modules.

FastAPI Backend Development

APIs Implemented:

- **User Registration API** with fields: first name, last name, username, email, password (min 8 chars, 1 capital), company name, phone, country, timezone, and subscription plan (default: free).
- **Login API** with validation for secure login.
- **OTP Verification API**: Allows 3 attempts, after which re-registration is enforced.
- **Resend OTP API**: Enables resending OTP on expiration.
- **Admin Dashboard APIs**: Admin can view, edit, delete, and add users (staff, contractors,) but cannot change roles while editing.

Features & Technologies:

- Used FastAPI with async SQLAlchemy and PostgreSQL.
- JWT authentication and secure role-based access.
- Logging of actions and authentication flows.
- Admin permissions and user management functionalities.
- Also added validations in Backend code

Summary:

FastAPI backend provides a robust, secure, and scalable API structure supporting complete user management, OTP-based email verification, and admin controls.

React Frontend Development (Materio UI)

User Interface Pages:

- **Register Form:** Integrated with API, client-side validation using Zod.
- **Login Form:** Email/password login with also doing client-side validation using Zod.
- **OTP Verification Popup:** 3-attempt timer logic and resend functionality using resend code button.
- **Dashboard Pages:** Home, About, Uploaded Files (currently placeholder pages).
- **User Accounts Page:** Admin can view and manage users (edit/delete/add staff/contractors).
- **Profile Info Dropdown:** Integrated with getUserProfile API.
- **Policy Pages:** Data Security & Legal Privacy (currently placeholders).
- **Logout Functionality:** Accessible via user dropdown.

Summary:

The React frontend provides a modern, responsive user interface integrated with all backend services. It includes robust form validations and admin dashboard capabilities. not deployed on live server yet.

OTP Verification System (Frontend & Backend Integration)

Backend:

- OTP sent to email upon registration.
- Verification logic: Max 3 attempts per user per OTP.
- Regeneration of OTP after expiration.

Frontend:

- Timer-enabled OTP input interface.

- Auto-redirect to login upon successful verification.
- Resend functionality post timeout.

Summary:

A secure, time-bound OTP system has been implemented for verifying user emails, enhancing overall system security.

Email Communication Functionality (Pending)

Status:

- Sending and receiving email functionality on both the server and Odoo SaaS platform is still pending.
- This task has been deferred temporarily as I moved ahead with other priorities.

Summary:

Email integration is on hold and will be resumed in upcoming development cycles.

Ongoing Work: Company Information & File Uploading

Planned Features:

- Creating forms to input company information.
- File upload functionality linked to user profiles or company data.
- Backend integration for persistent storage.

Summary:

Development for file upload and company information modules is in progress on both frontend and backend ends.

Overall Project Summary:

All foundational modules for user management, authentication, branding, and interface have been successfully implemented for the Eredox platform using Odoo 17, FastAPI, and React. Work on company-related features and file management is actively underway and will further enhance the platform's capabilities.