



# Phronex

*From Greek φρόνησις ('Phronesis')*

*Practical wisdom in decision-making, planning, and budgeting*

<http://github.com/alienmind/phronex>

<http://phronex.alienmind.eu>

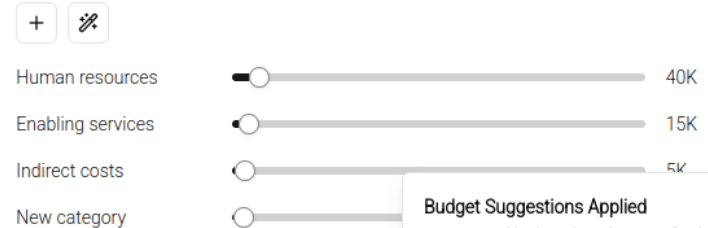
# Key features

- Project and portfolio management.
- **AI-powered** budget planning.
- Expense tracking and categorisation.
- Resource planning.
- Clean, responsive and accessible UI.
- Cloud ready.

Budget Overview



Budget Distribution




**Budget Suggestions Applied**


AI-generated budgets have been set for the project categories.


# Phronex highlights


## Projects overview - with colored cards (expenses vs budget)

 Phronex

[Home](#)[People](#)[Roles](#)[Expense Categories](#)

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Show: 

All Projects

**Super Portal PRO**

Customer self-service portal redesign, for a 100 users from the internet.

Start Date:	Jan 9, 2025
End Date:	Apr 26, 2025
Total Budget:	260K
Total Spent:	124.492K

**Elysium**

Next-gen cloud platform deployment

Start Date:	Dec 1, 2024
End Date:	May 31, 2025
Total Budget:	0
Total Spent:	0

**Titan**

Enterprise resource planning system

Start Date:	Mar 1, 2025
End Date:	Aug 31, 2025
Total Budget:	0
Total Spent:	0

**Megamapper**

Global infrastructure mapping system

Start Date:	Sep 1, 2024
End Date:	Feb 28, 2025
Total Budget:	0
Total Spent:	0

**Fancy Data Factory**

Data processing and analytics platform


Start Date:	Oct 1, 2024
End Date:	Mar 31, 2025
Total Budget:	0
Total Spent:	0

**Quantum**

High-performance computing infrastructure

Start Date:	Mar 1, 2024
End Date:	Aug 31, 2024
Total Budget:	0
Total Spent:	0

# User experience



Show:

**Super Portal PRO**  
Customer self-service portal redesign, for a 100 users from the internet.

Start Date: Jan 9, 2025  
End Date: Apr 26, 2025

Total Budget: 260K  
Total Spent: 124.492K

**Super Cockpit**  
Executive dashboard and analytics suite

Start Date: Jun 1, 2024  
End Date: Nov 30, 2024

Total Budget: 0  
Total Spent: 0


**Super Lab PRO**  
Advanced laboratory management system


Start Date: Jul 1, 2024  
End Date: Dec 31, 2024


Total Budget: 0  
Total Spent: 0

- All Projects
- 3 Projects ✓
- 6 Projects
- 9 Projects
- 12 Projects

The UI allows ***free text search, date filtering*** and ***sorting*** of projects, resources, and expenses across all of its screens.

 Jul 19, 2024 - Jan 15, 2025

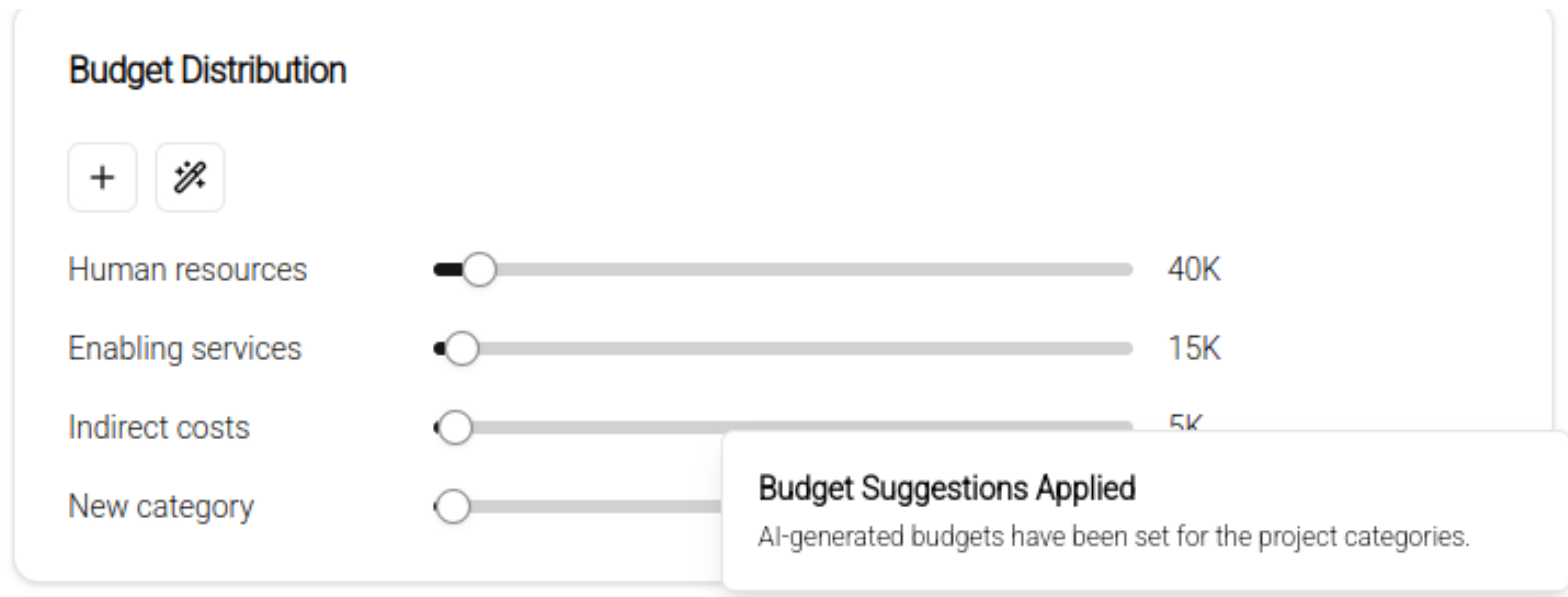




Expense date ↑↓	Name	Value	Category	
Oct 5, 2024	Cloud consumption	5000.00	Enabling services	...

# AI features

Based in the declared scope and time duration, the application can propose an initial budget thanks to AI\*.



\*Note this feature is in beta

# Consistency

## Categories

Filter...
Name ↑↓
Enabling services
Human resources
Indirect costs

Phronex allows a ***consistent portfolio management*** thanks to using a single set of ***reusable cost categories*** across the different projects.

Additionally it allows to manage a ***single workforce\**** that can be distributed across projects with generic but configurable roles.

\* Limited features on v1.0

## Project Resources

Filter...
Person ↑↓
Aragorn Arathorn

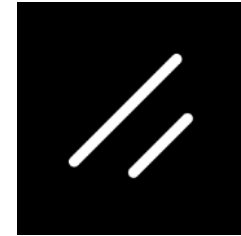
## Roles

Filter...
Description ↑↓
Business Analyst
Designer
Developer
Project Manager

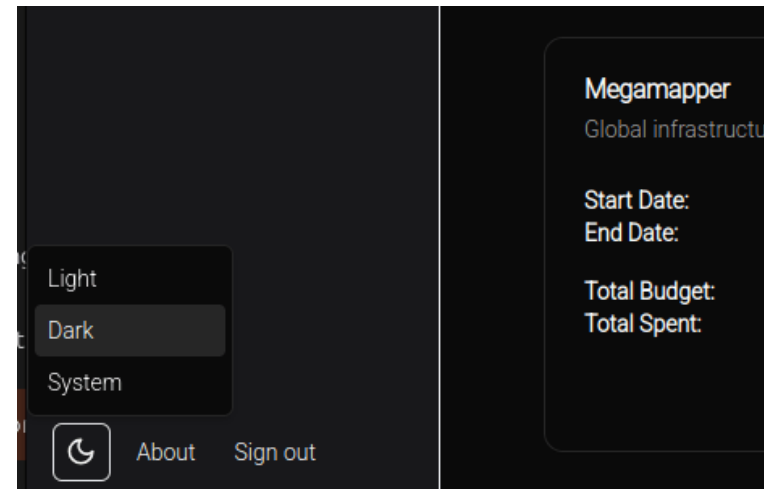
# Accessibility

The UX/UI considers a ***diverse set of users*** with different needs. All reusable components adhere to ***WAI-ARIA design principles*** thanks to ***ShadCN/UI*** reusable components.

It also has a ***high-contrast dark*** mode to protect user vision.



ShadCN/UI



# **Phronex**

## **Architecture**

### **Technical features**



# Technology stack

The application has been built with full-stack typescript using the latest frameworks and tools.



Next.js 15



React 19



TailwindCSS



ShadCN UI



PostgreSQL



pnpm



Docker



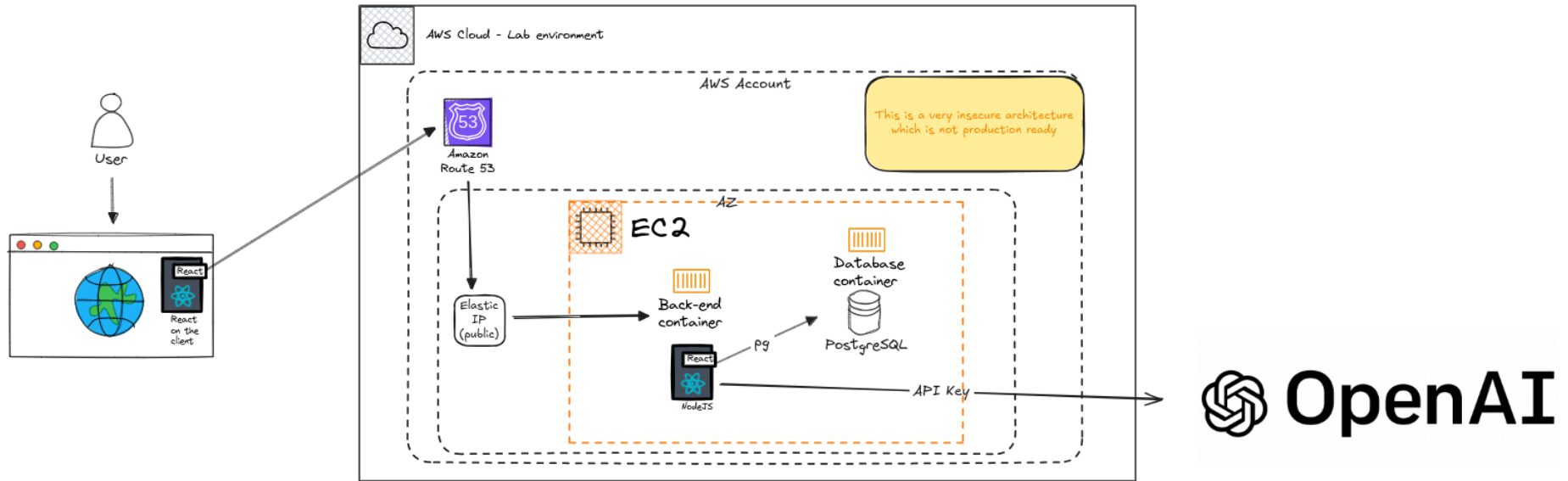
AWS

# Solution architecture - TEST

The TEST version is deployed with docker containers in AWS EC2.

It uses local authentication and keeps the session in JWT.

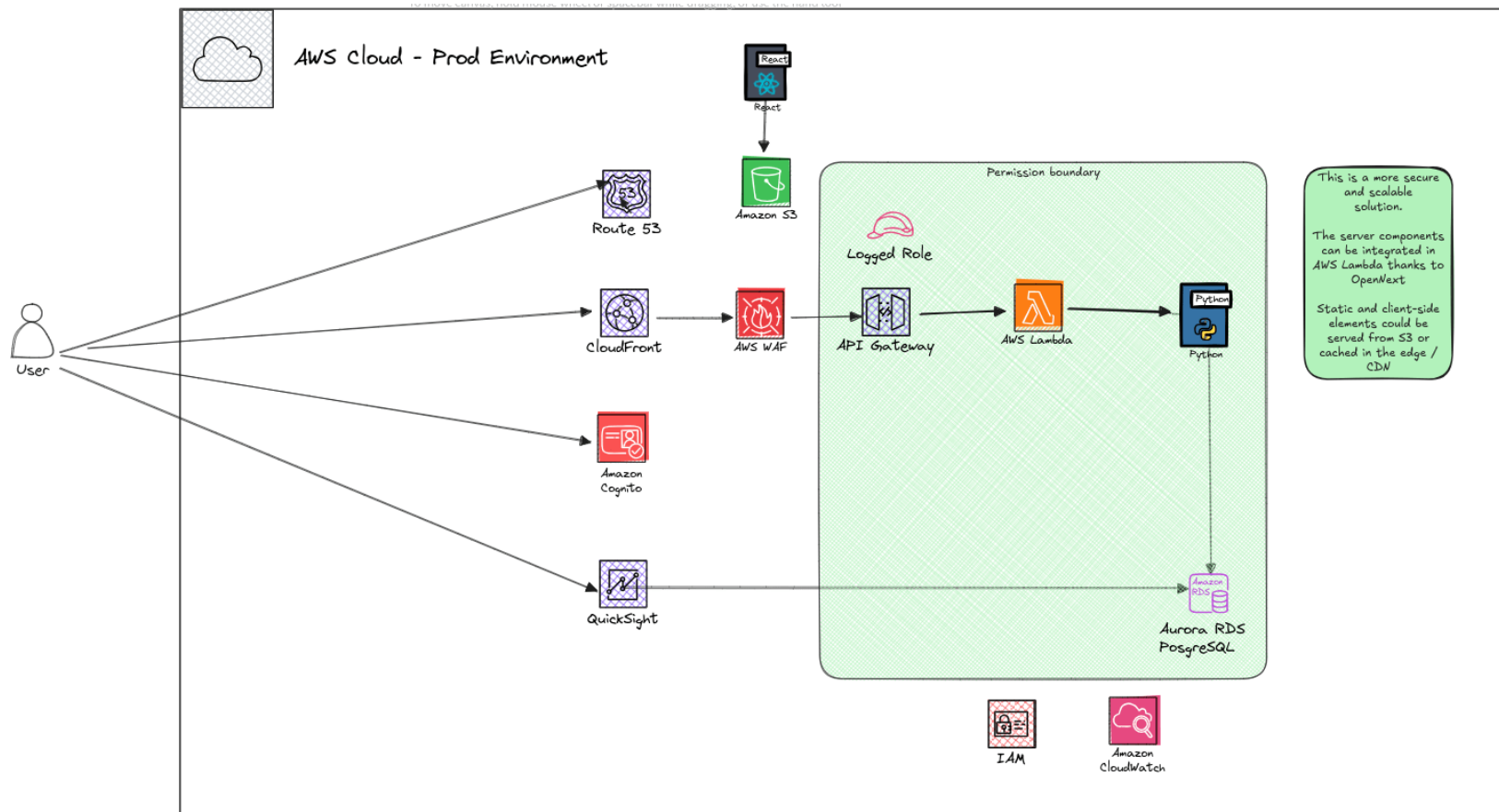
It also interacts with OpenAI as an external service via API keys.



# Solution architecture - PROD

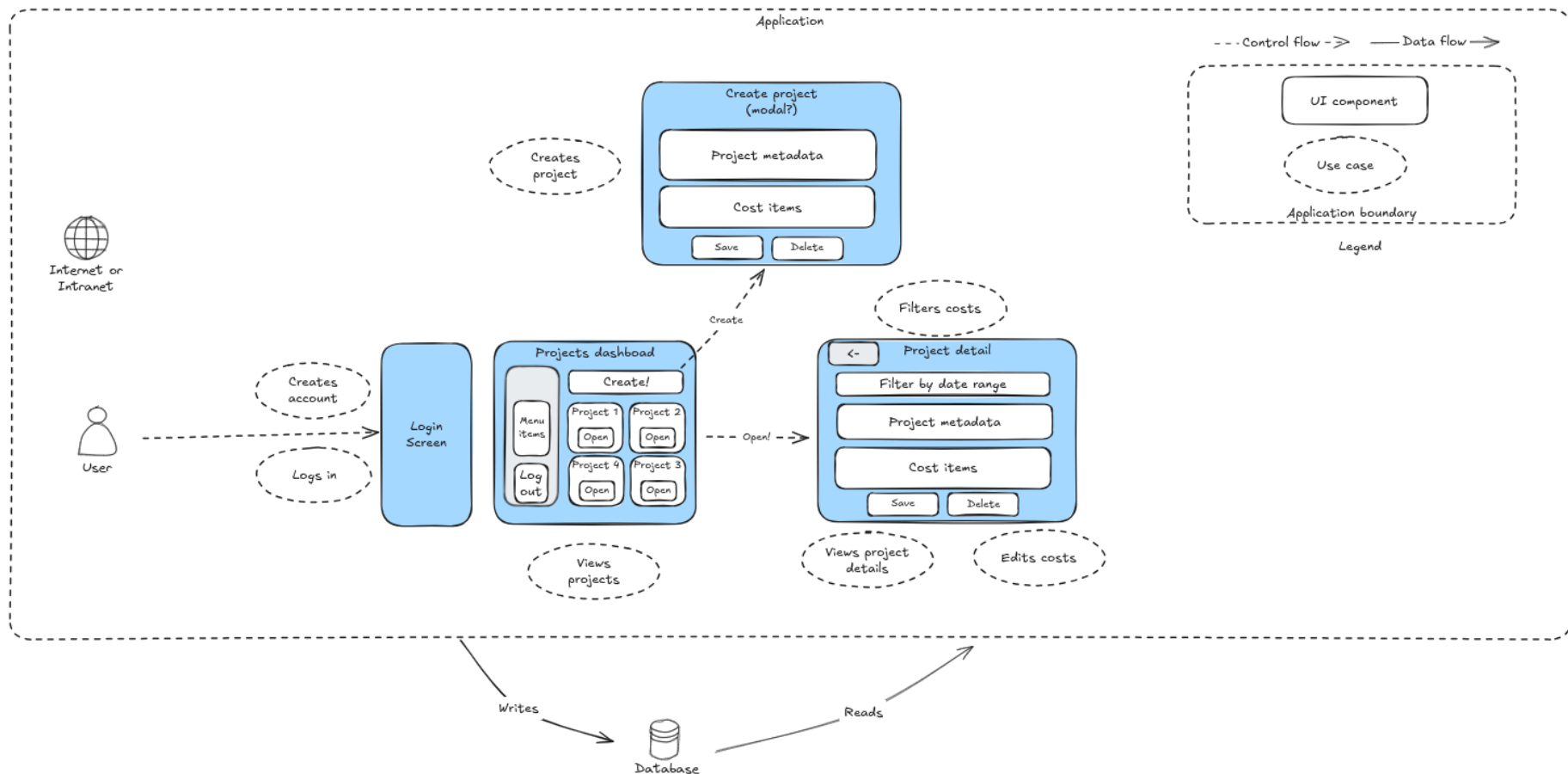
Ideally this application should be serverless and with the adequate perimetral security (CDN, WAF) and using an IDP.

OpenNext allows to integrate NextJS with AWS Lambda.



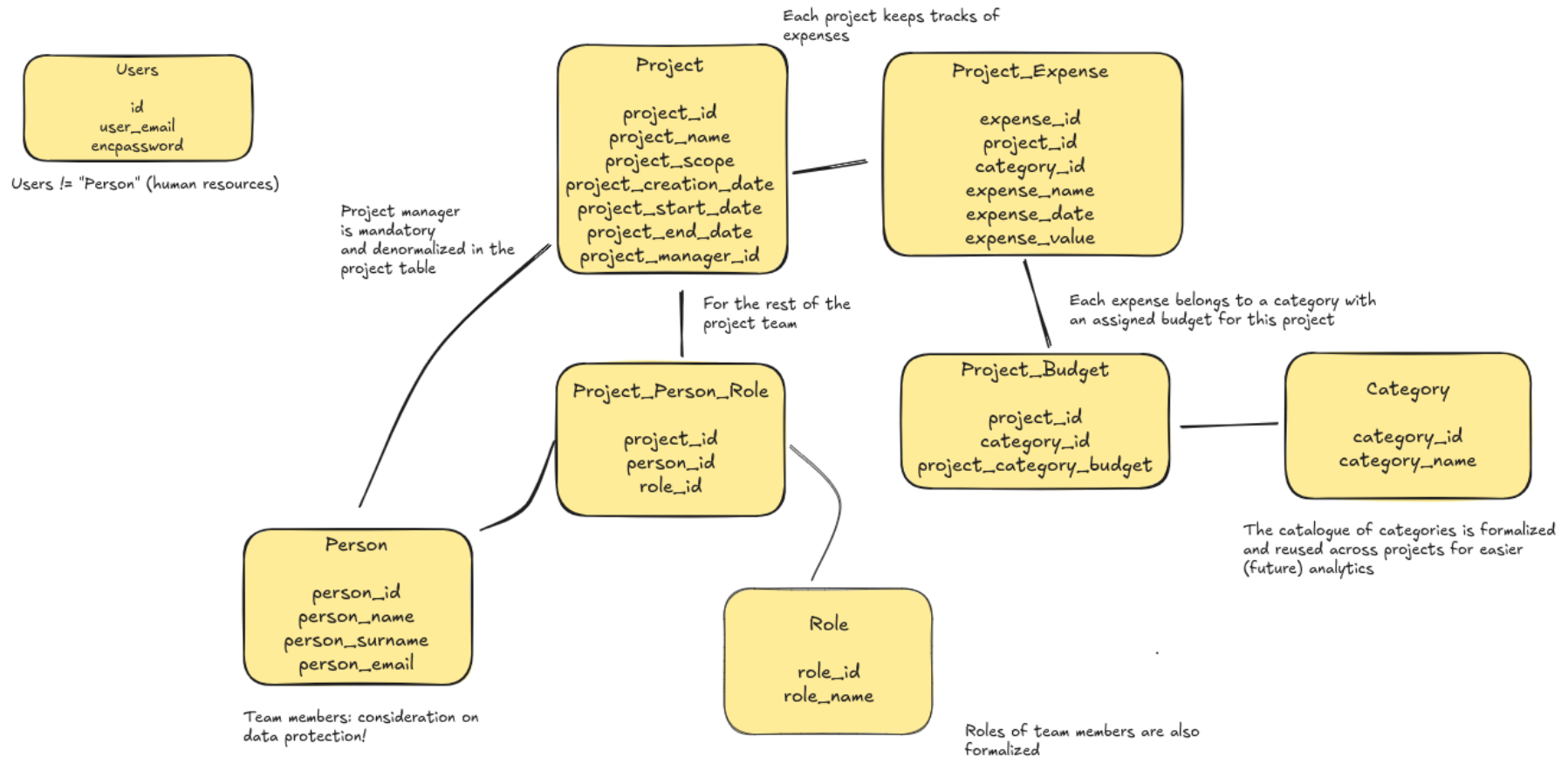
# Navigation

Taking advantage of NextJS 15 as a well structured and opinionated React framework, navigation has been designed to reuse layout elements across the screens.

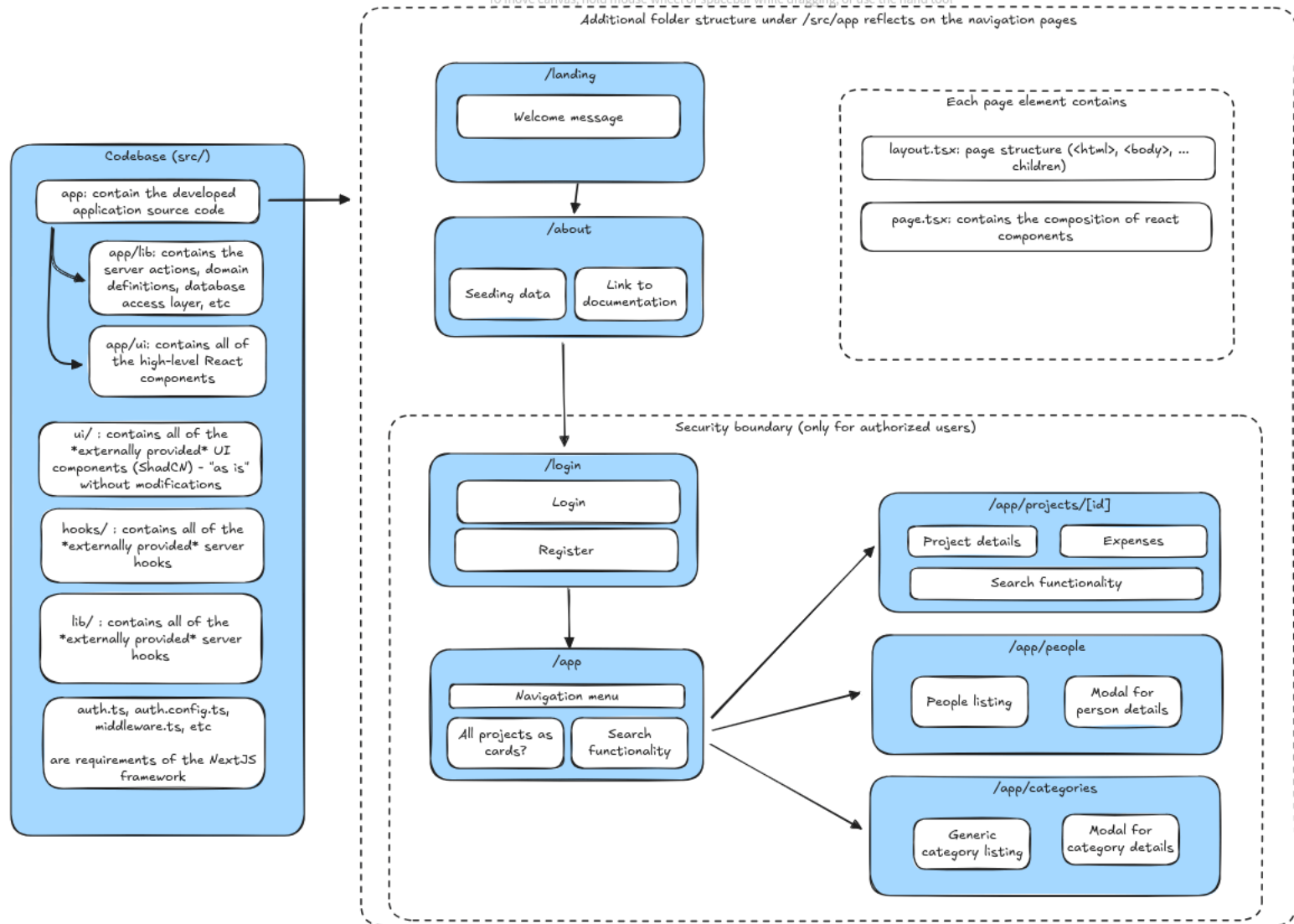


# Data model

## Relational data model



# Software design



# Demo!

[Click here](#)

# Thanks!

Questions?