

## Monk Data Verification & Approval Platform

Sync

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1.

“ Workflow Approval Platform + Data  
Synchronization Platform ”

Sync

Main Database

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2.

( Architecture Concept )

Modular Architecture

:

- Self - Service Module
- Reviewer Module
- Approval Module
- Notification Module
- Audit Module

Module

Backend

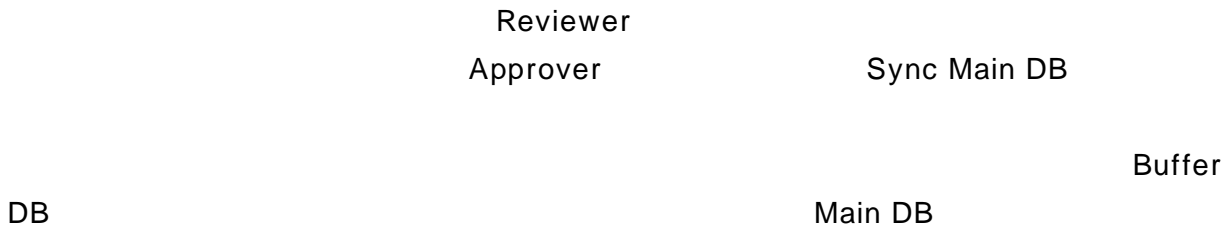
Authentication

Role

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### 3. Workflow

Workflow :



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### 4. (Roles & Permissions)

RBAC (Role - Based Access Control)

- ROLE\_MONK –
- ROLE\_REVIEWER –
- ROLE\_APPROVER –
- ROLE\_ADMIN –

Reviewer

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### 5. Reviewer Module

Reviewer Module

- :
- - Compare
  - Verify & Forward
  - Return to User
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### 6. UI/UX

User

Mobile First

Reviewer

Approver

Dashboard

Compare View

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## 7.

- Authentication ThaiID
- HTTPS Encryption
- File Validation Virus Scan
- Audit Log
- Transaction Control Sync Main DB

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## 8. Tech Stack

Frontend:

- Next.js
- TailwindCSS
- shadcn/ui

Backend:

- NestJS Laravel
- PostgreSQL / MySQL
- Redis
- MinIO S3 Storage

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## 9. Roadmap

Phase 1:

- Authentication
- Self - Service
- Workflow Approval
- Buffer DB

Phase 2:

- Notification
- Dashboard
- Reporting

Phase 3:

- OCR
- AI Validation
- Smart Approval

## 10. Module

Module	
Self - Service	
Reviewer	
Approver	
Audit	
Notification	