



XP FARMING

FIX THE DOCS

Track 3: Industry Collaboration

Team Members



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Problem Statement

What is the main focus on this project?

01

**Time
Consuming**

Developers spend too much time writing long documentation.

02

**Hard to
read**

Developers/users are usually lazy to read lengthy documents.

03

**Search
Issue**

Developers hard to find needed info in the documentation.

04

**Visualize
Clarity Issue**

Documentation lack of clear visuals creates confusion.

Main Function

Simplify Writing

What are the features of this function?



- ◆ **Auto-generate starter docs**
Users upload their project files into the system. The tool scans the codebase and automatically generates documentation.
- ◆ **Category Button**
 - Modules Relationship
 - Function Documentation
 - Tech Stack Documentation
 - Validation Checklist
 - Setup and Installation Guide

Main Function

Speed Up Reading

What are the features of this function?



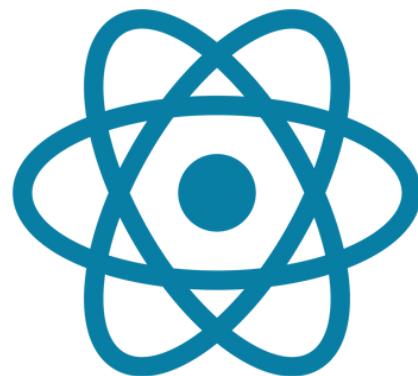
- ◆ **Visualize Diagram**
Auto-generate flowcharts / system workflow.
- ◆ **Download function**
Export the generated documentation in multiple formats (Word / PDF).
- ◆ **AI Chatbot**
Search, summarize, and answer questions from docs.

Prototype Of Our System



START

Tech Stack



Frontend

- React (modern & nice UI)



Backend

- Python FastAPI (easy AI integration)



Database

- Microsoft SQL SSMS



Diagram

-Draw io (clear diagram of system flow)

Impact

01

Saves developer time

Developers spend too much time writing long documentation.

02

Improves code understanding

Provides a platform for developers to understand the code as they join the company.

03

Efficient Reviews

Well-documented code minimizes repeated explanations.

04

Boosted Productivity

Engineers spend less time searching and more time coding.

Further Enhancement

If the Time Permits



Maintenance

- Detect outdated docs vs code
- Highlight the edited part and show the previous version



Privacy

- Provide upload by local file path and CI/CD pipeline to ensure privacy
- Provide user linked to git hub

Conclusion

- Clear problem statement with defined challenges.
- Unique functions to help developers understand code.
- Confident in building a stable solution.
- Ready to move into development and make it real.