



# THE HIVE

DEPARTMENT OF COMPUTER ENGINEERING,  
COLLEGE OF ENGINEERING



KWAME NKURUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

COE 356: SOFTWARE ENGINEERING

SoftDoc

Verify



# Overview

- PROBLEM
- SOLUTION
- PRODUCT
- AUTHENTICATION AND SECURITY
- UI AND UX
- DATABASE / OTHER FEATURES
- THE TEAM

# Problem

## FRUSTRATIONS OF STAKEHOLDERS IN PROCESSING DOCUMENTS

Unreliable availability of stakeholders.

Delay in processing document.

Misplaced documents.

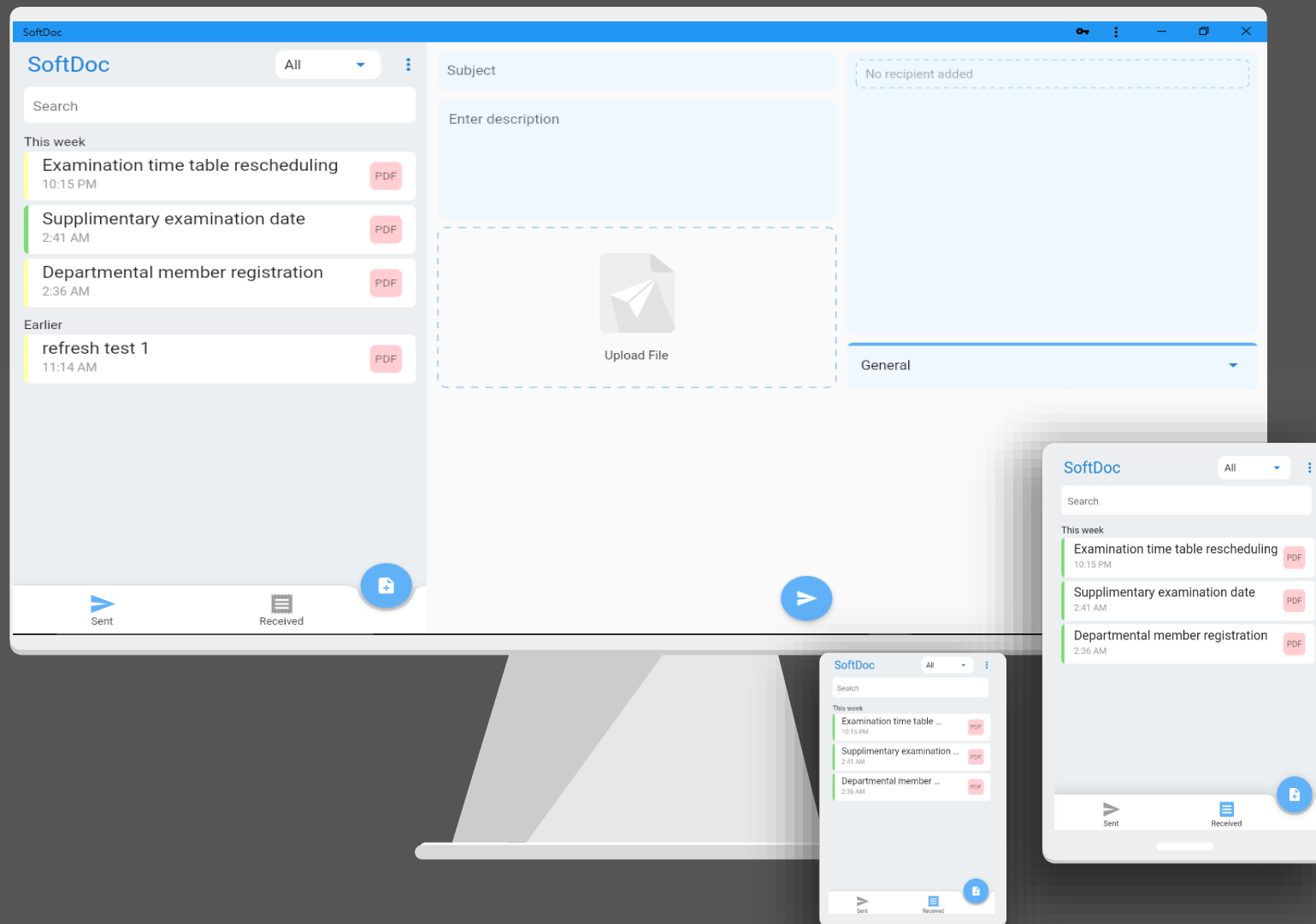




# Solution

- A progressive web application where users can upload and send documents to specific people for approvals.
- Ease in tracking the progress and status of the document.
- Simple remote approval system where approvals can be made anywhere and everywhere.

# The Product





# The Product

Basic Steps to seek approval for a document

1. Attach a document that needs approval.
2. Select the specific individuals to approve in order.
3. Click send.
4. We'll do the rest!



# Authentication and Security

- JWT token based authentication with time slice.
- Restricted Access to the platform.
- Privacy of documents.
- Controlled access rights on received documents.
- Integrity and proper chain of authorization.
- Access profiles are created for users to apply limitations and to maintain isolation and force security.



# UI and UX

## Some design choices for the UI

- An approval progress indicator
- Colour codes
- A filter functionality
- Icons
- Search functionality

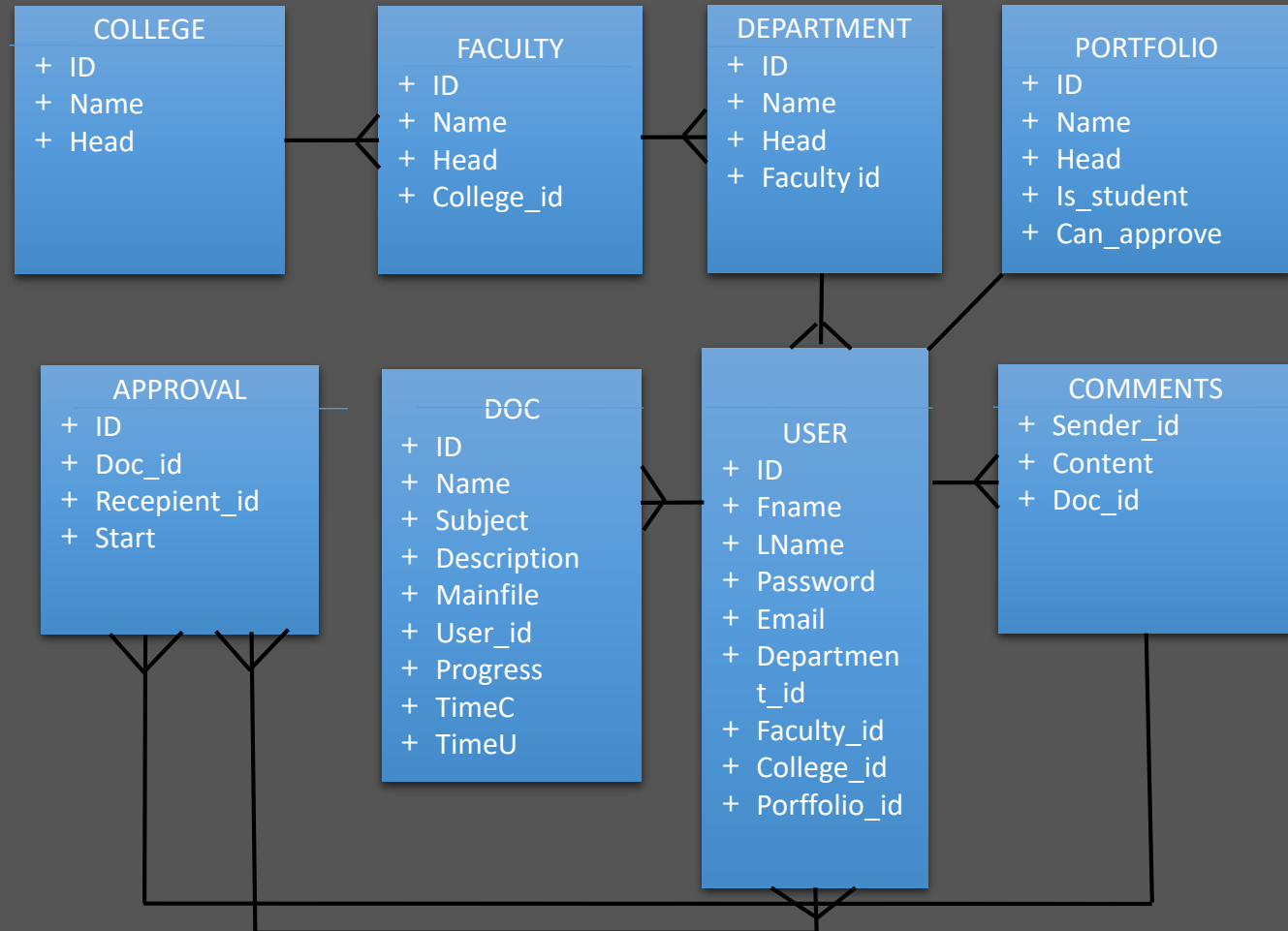
## Some features implemented to improve UX

- Visual inspection of progress made easy.
- Knowing the status of a document on the go.
- Indicator to verify a document has been sent.
- Easy sort of documents



# The Database

- The database employed for this project is an SQL based entity relational model, MYSQL to be precise.
- An ORM(SQLAlchemy) was employed to abstract the database tables and records as classes and objects.



# Meet The Team



Ocupualor Elijah  
Project Manager



Ayarma Emmanuel  
Quality Assurance



Sakey Emmanuel  
Head of Front-end



Andrews Tang  
Head of Back-end



Antwi Deborah  
Multimedia and Communications

# Meet The Team



Abdul-Mateen Saeed  
System Analyst



Alexander Osei-Bosu  
Multimedia Head



Alidu Abukari Baba  
Front-end dev



Ansah Obed  
Front-end dev



Nyaaba Sulley  
Front-end dev

**The Hive**

**“Una Mente”**

