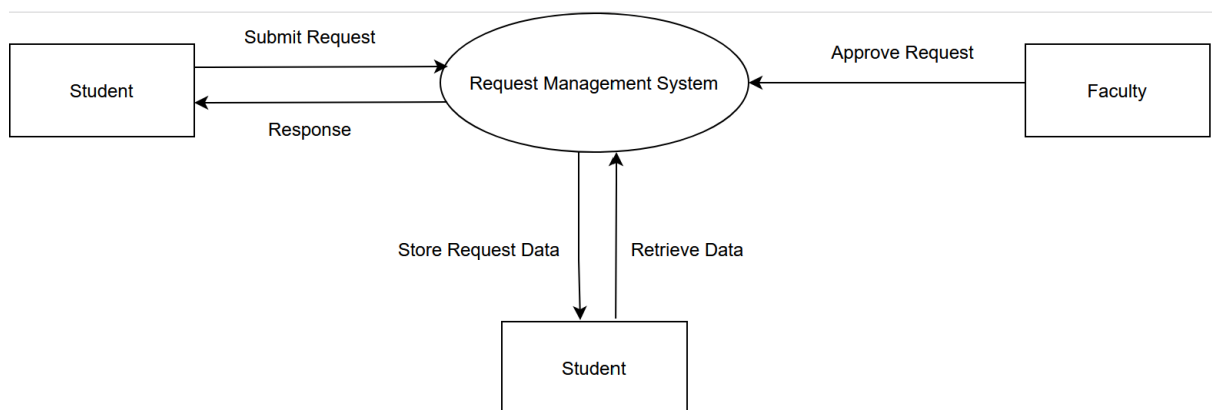# DESIGN DOCUMENT

Srushti Gadale- 612203172

Aveena Dange- 642303002
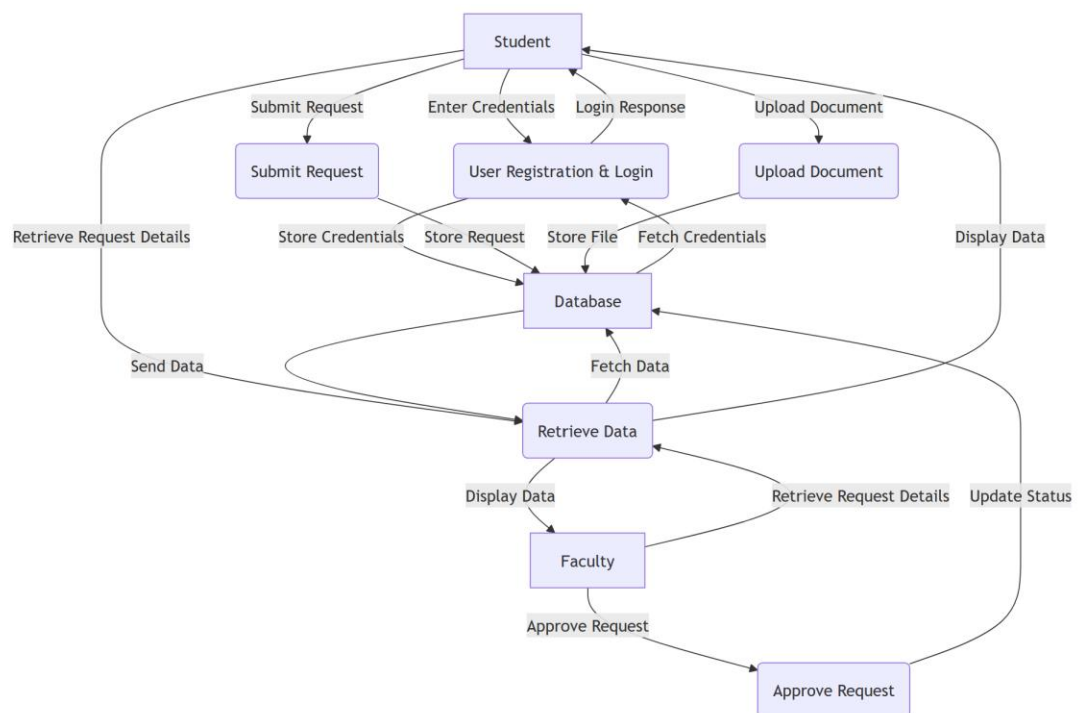
Arya Wankhede -612203196

DFD-

1. DFD Level 0:
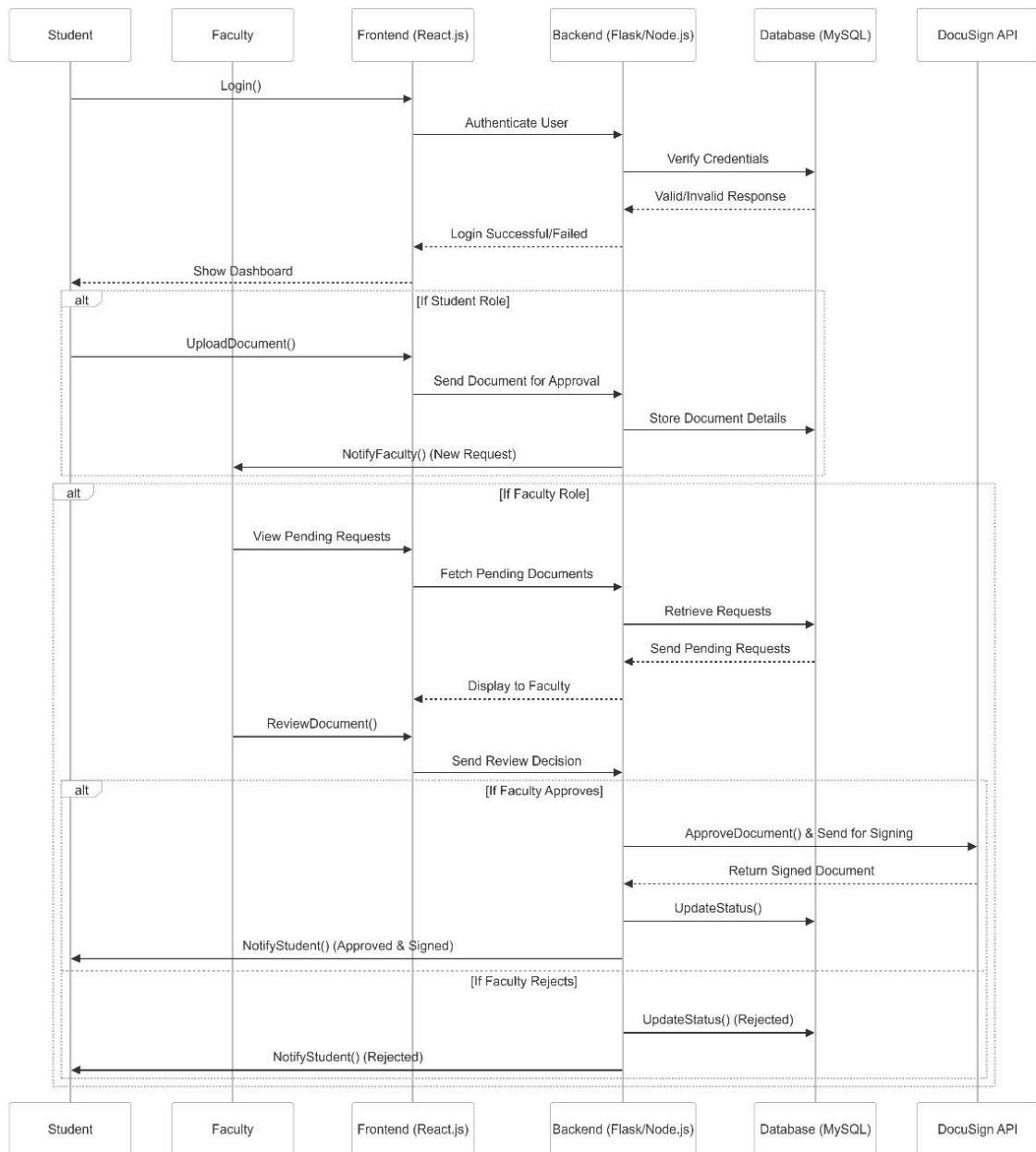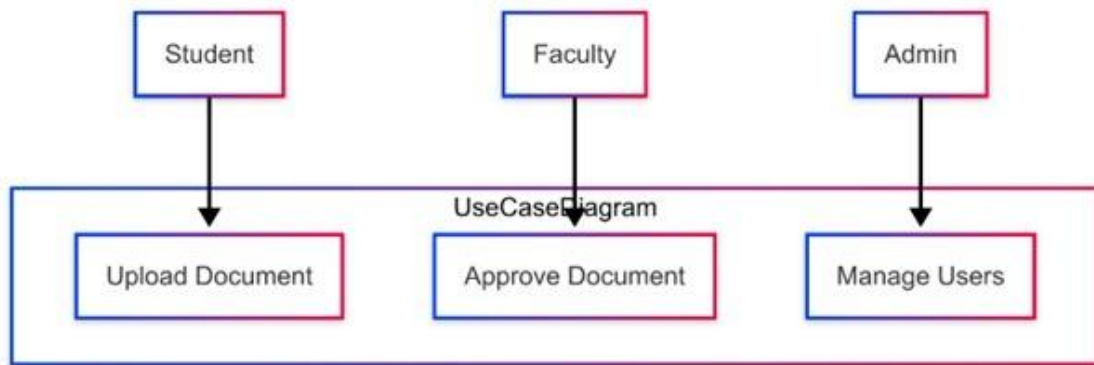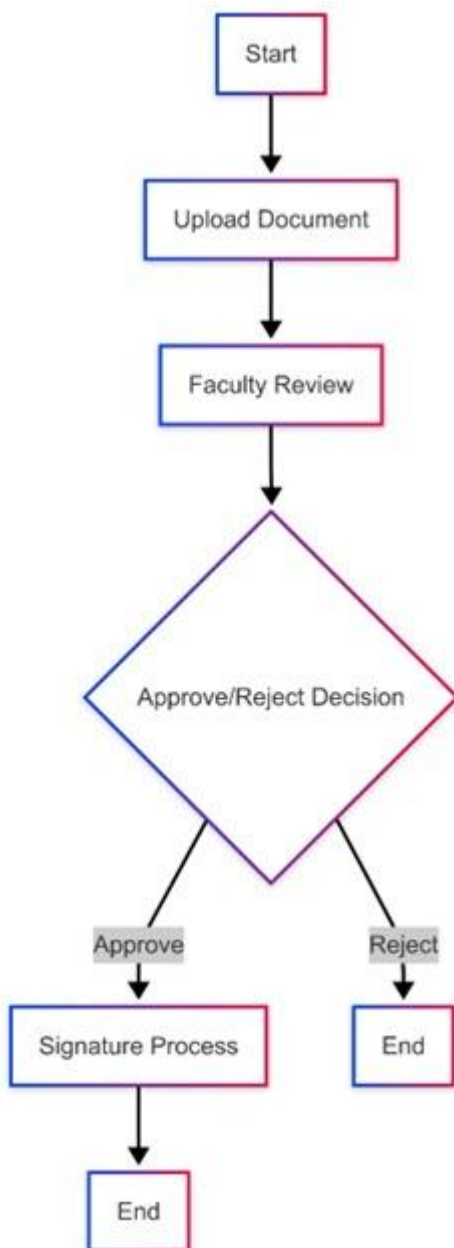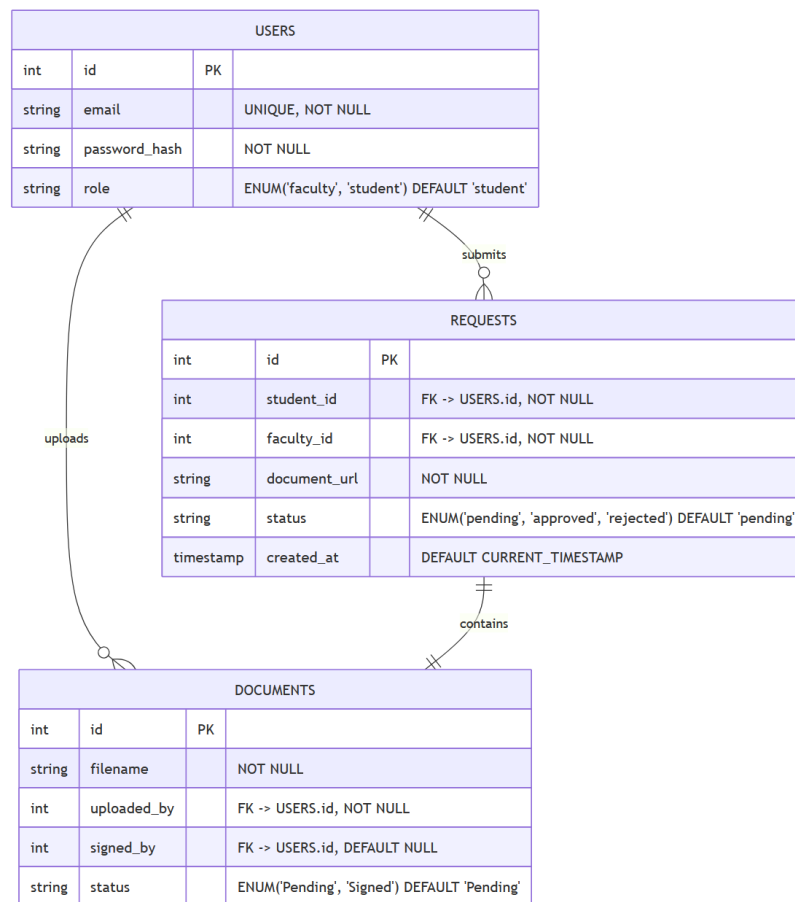

2. DFD Level 1:

UML-

1. Sequence Diagram:

2. Use case Diagram:

3. Activity Diagram:

ER Diagram

USERS

int	id	PK	
string	email		UNIQUE, NOT NULL
string	password_hash		NOT NULL
string	role		ENUM('faculty', 'student') DEFAULT 'student'

submits

uploads

REQUESTS

int	id	PK	
int	student_id		FK -> USERS.id, NOT NULL
int	faculty_id		FK -> USERS.id, NOT NULL
string	document_url		NOT NULL
string	status		ENUM('pending', 'approved', 'rejected') DEFAULT 'pending'
timestamp	created_at		DEFAULT CURRENT_TIMESTAMP

contains

DOCUMENTS

int	id	PK	
string	filename		NOT NULL
int	uploaded_by		FK -> USERS.id, NOT NULL
int	signed_by		FK -> USERS.id, DEFAULT NULL
string	status		ENUM('Pending', 'Signed') DEFAULT 'Pending'

Class Diagram

User

+int id
+string email
+string password
+string role

1
submits
many

Request

+int id
+int student_id
+int faculty_id
+string status
+string document_url

1
contains
1

Document

+int id
+int request_id
+string file_path