

ICS B GROUP 3

Joy Karanja	189731
Alvin Mugoya	190156
Austine Igunza	166990
Felicia Agwata	189807
Nicole Omuoyo	175642
Audrey Ayieko	172827
Paul kiragu	190135
Darren Mwange	169272

Notes Sharing App –

1. Project Overview

The Notes Sharing App will provide a collaborative platform where students can upload, organize, and access study materials such as notes, past papers, and guides. Users will be able to:

- Upload and download resources.
- Search notes by subject/topic.
- Engage through ratings and comments.

This system addresses the challenge students face in accessing quality learning resources by creating a centralized, easy-to-use repository.

[-- Back to search](#)

[Note Title 1]

Subject:

[Mathematics]

Date Uploaded:

[2024-01-15]

Author:

[John Doe]

File Type:

[PDF]

Pages:

[15]

Downloads:

[120]

Description:

[This is a description of the note content. It includes comprehensive coverage of the topic with examples and explanations.]

[Download Note]



Rating

☆ ☆ ☆ ☆ ☆ [Click to rate]

Average Rating: ★★★★☆ (4.2/5 from 45 ratings)

Comments (3)

[Write a comment...]

[Post Comment]

[User1]

Great notes! Very helpful.

2024-01-15

Home Page

 [Search for notes...] [Search Button]

Recent Notes

[Note Title 1]

Subject: Mathematics | Date: 2024-01-15

[Note Title 2]

Subject: Physics | Date: 2024-01-14

[Note Title 3]

Subject: Chemistry | Date: 2024-01-13

[Note Title 4]

Subject: Biology | Date: 2024-01-12

[Note Title 5]

Subject: History | Date: 2024-01-11



The wireframe for the Notes Sharing App features a header with the letters "NS" in a square box, followed by the title "Notes Sharing App" and the text "Wireframe v1.0". It includes two main sections: "Login" and "Register", each with fields for Email, Password, and a corresponding button.

Notes Sharing App
Wireframe v1.0

Login

Email
[text input]

Password
[text input]

[Login Button]

Register

Email
[text input]

Username
[text input]

Password
[text input]

[Register Button]

Search Results

 Mathematics

[Search Button]

Filters

Subject

 [All Subjects]

Date Range

 dd/mm/yyyy dd/mm/yyyy

Rating

- 5 Stars
- 4+ Stars
- 3+ Stars

[Apply Filters]

3 results found

[Sort by: Relevance] ▾

[Note Title 1]

Subject: Mathematics | Date: 2024-01-15 | Downloads: 120

[Preview text snippet of the note content...]

[Note Title 2]

Subject: Mathematics | Date: 2024-01-14 | Downloads: 95

[Preview text snippet of the note content...]

[← Back to home](#)

Upload Note

File Upload



[Drag and drop file here]

or

[Browse Files]

Supported formats: PDF, DOC, DOCX, TXT (Max 10MB)

Note Title*

[Enter note title]

Subject*

[Select Subject]

Description*

[Enter note description...]

Tags

[e.g., calculus, derivatives, integration]

Separate tags with commas

Academic Level

[Select Level]

User Profile



[Username]

[user@email.com]

[Change Photo]

Statistics

Notes Uploaded:

3

Total Downloads:

105

Member Since:

Jan 2024

Profile Information

[Edit]

Username

johndoe

Email

john@example.com

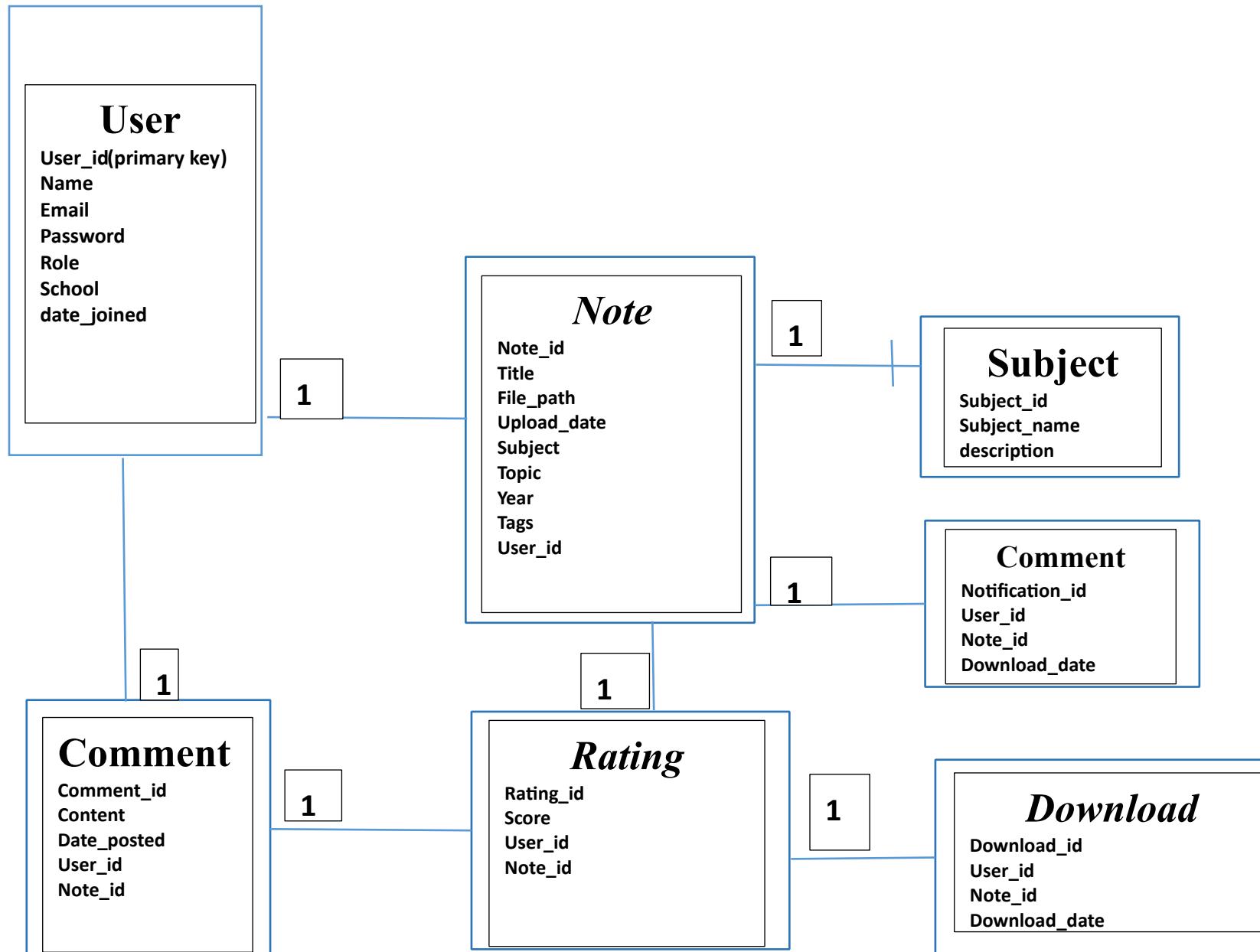
Bio

[Tell us about yourself]

Institution

[University/School name]

END OF WIREFRAMES



ERD Entities and Keys

User

Primary Key-User_id

Relationships;

1. One user can upload many notes= 1 to many (user to note)
2. One user can post many comments=1 to many (user to comment)
3. One user can give many ratings=1 to many (user to rating)
4. One user can download many notes=1 to many(user to download)
5. One user can receive many notifications=1 to many(user to notification)

Note

Primary key- Note_id

Foreign Keys- User_id=references user(user_id)

Subject_id=references Subject(Subject_id)

Relationships;

One note belongs to one user= many to 1

One note belongs to one subjects= many to 1

One note can have many comments, ratings, downloads and notifications= 1 to many

Subject

Primary Key- Subject_id

Relationships

One subject can have many notes 1 to many (Subject to note)

Comment

Primary Key- comment_id

**Foreign Keys- User_id= references user(user_id)
Note_id=references Note(Note_id)**

Relationships

Many comments can belong to one note and one user- many to 1

Rating

Primary Key- Rating_id

**Foreign keys- user_id References user(user_id)
Note_id References note(note_id)**

Relationships

Many ratings belong to one user and one note- many to 1

Notification

Primary key- Notification_id

Foreign keys- User_id references the user

Note_id references the Note

Relationships

Many notifications can belong to one user and one note many to 1

Download

Primary Key- download_id

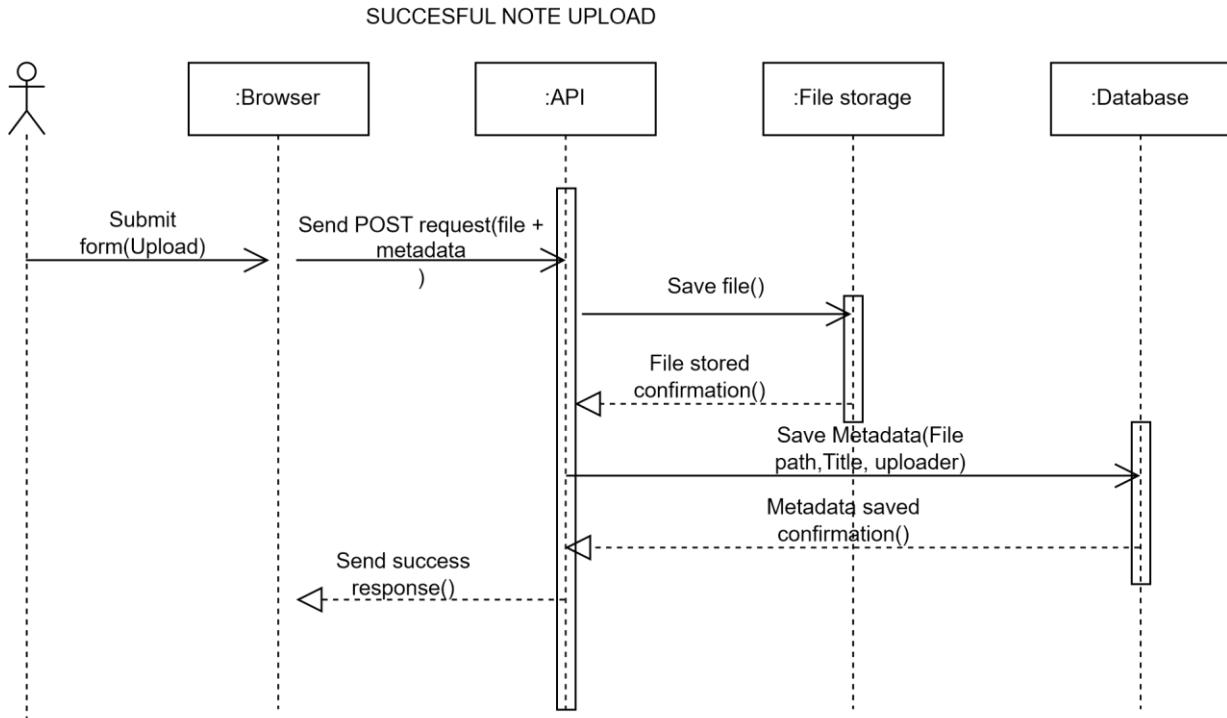
Foreign Keys- user_id references the user

Note_id references the note

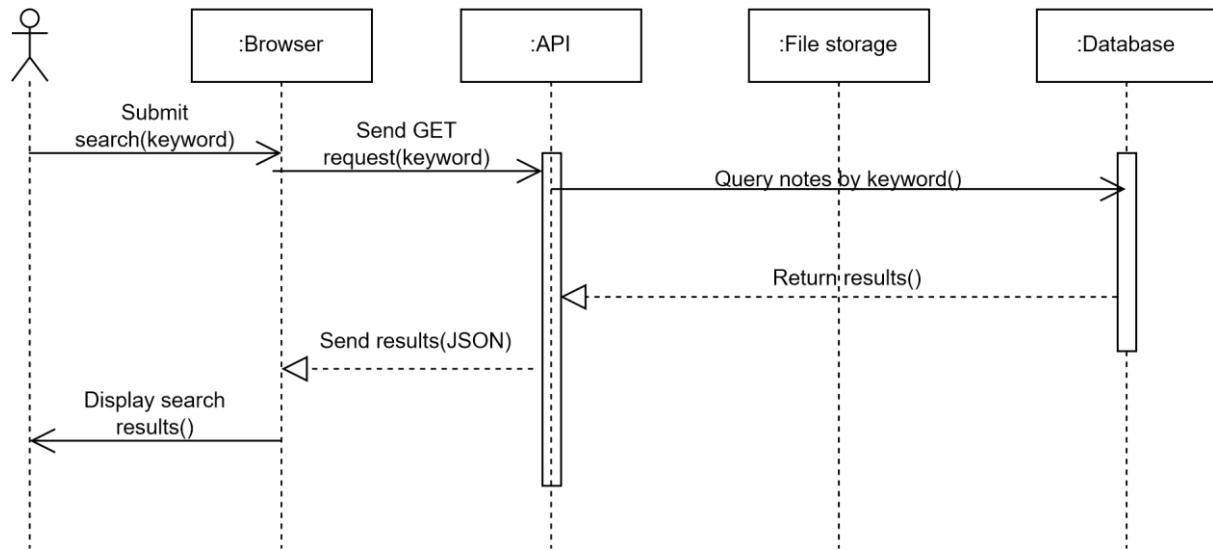
Relationships

One user can download many notes -1 to many

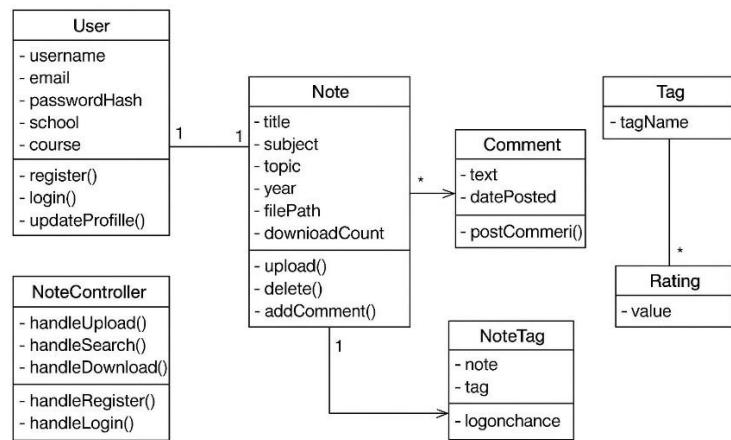
One note can be downloaded by many users -many to 1



USER SEARCH BY KEYBOARD



END OF SEQUENCE DIAGRAM



Class diagram and System Architecture

