

Name: Eoin Doherty

Title: Note Taking Website

Project Summary: A website for creating and storing notes, reminders, and other documents. Users can share notes and documents with other users, and users can copy notes that were shared with them.

Project Requirements:

ID	Requirement	Responsibilities
UR-01	Users should be able to enter a valid username and password to log in. If they are not registered yet, they should be able to enter their credentials to sign up for an account.	Users should be taken to a log in or sign up page where they will be able to enter a username and password to login or sign up. They should only be logged in if they have a valid username and password. After logging in, they should be taken to their profile page which lists their documents.
UR-02	Once logged in, users should be able to create documents from their profile page.	The system should check that a user is logged in before they can create a new document. The user should then be redirected to a new document page.
UR-03	After entering new information for a note, users can click the save button to save the document. They must enter a title for the note. They have the option of adding tags to the note.	The system should check that the user has not created another document with the same title. This new note should be converted to JSON and stored in the database.
UR-04	When viewing a document, users should be able to share that document with other users by clicking a share button and entering a list of users who can view the document. They can also choose to share the document with all users. They should be able to specify whether or not the shared users can copy that document.	The list of users should be validated to make sure they exist. The list of users and permissions should be stored along with the note.
UR-05	Users can edit or remove notes they have previously made.	While viewing a note, users should be able to convert that note to an editable format and edit it.

UR-06	Users should be able to delete notes from the list of notes in their profile page or from the note itself.	The backend should tell the database to delete the document. The user should be taken back to their profile page once the note has been deleted.
UR-07	While viewing a document that has been shared with them, users should be able to copy that document if the original note owner has made it sharable.	The system should check if the user was given permission to copy the document. If a user has copied the document, a new document should be created and stored on the user's profile page.
UR-08	Users can search notes by tag or the user that made them.	The user should specify whether they are searching by tag or user. The system should run a database query for that user or tag and return the results to the user on a search results page.
UR-09	Users can search for other users and view their publicly available notes.	The system should check if the user exists and fetch public documents from the database if they do. The user should be directed to a search results page.

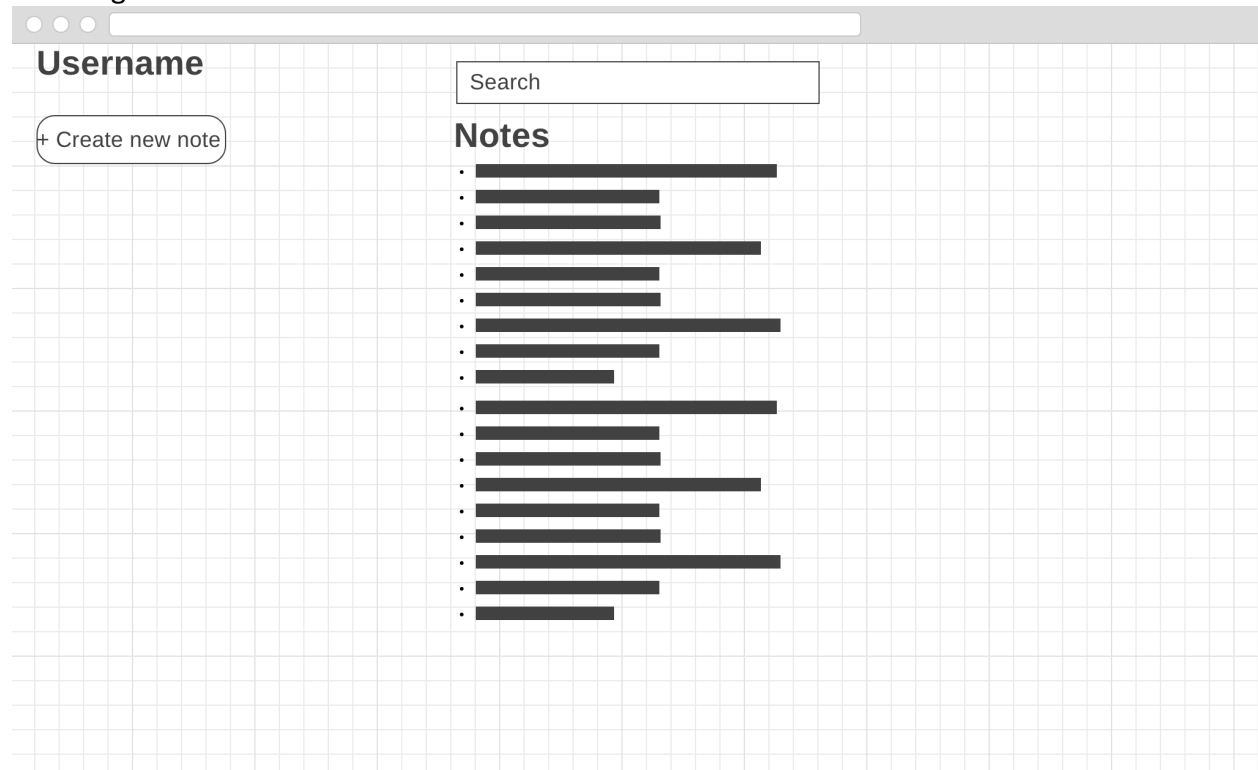
UI Mockups:

Login / Signup:

A UI mockup of a web page for login and signup. The page features a light gray grid background. At the top, there is a dark gray header bar containing three small white circles and a white rectangular input field. Below the header, the page is divided into two main sections: 'Login' on the left and 'Sign Up' on the right. Each section contains two stacked rectangular input fields. The 'Login' section is positioned to the left of the 'Sign Up' section.

Users are brought here if they are not already logged in

User Page:



A UI mockup of a user profile page. At the top is a grey header bar with three white circles on the left and a white search bar on the right. Below the header, the page has a light grey grid background. On the left side, there is a 'Username' label and a button that says '+ Create new note'. On the right side, there is a 'Search' input field and a 'Notes' section. The 'Notes' section contains a list of 20 items, each represented by a small black dot followed by a horizontal black bar of varying length.

Username

+ Create new note

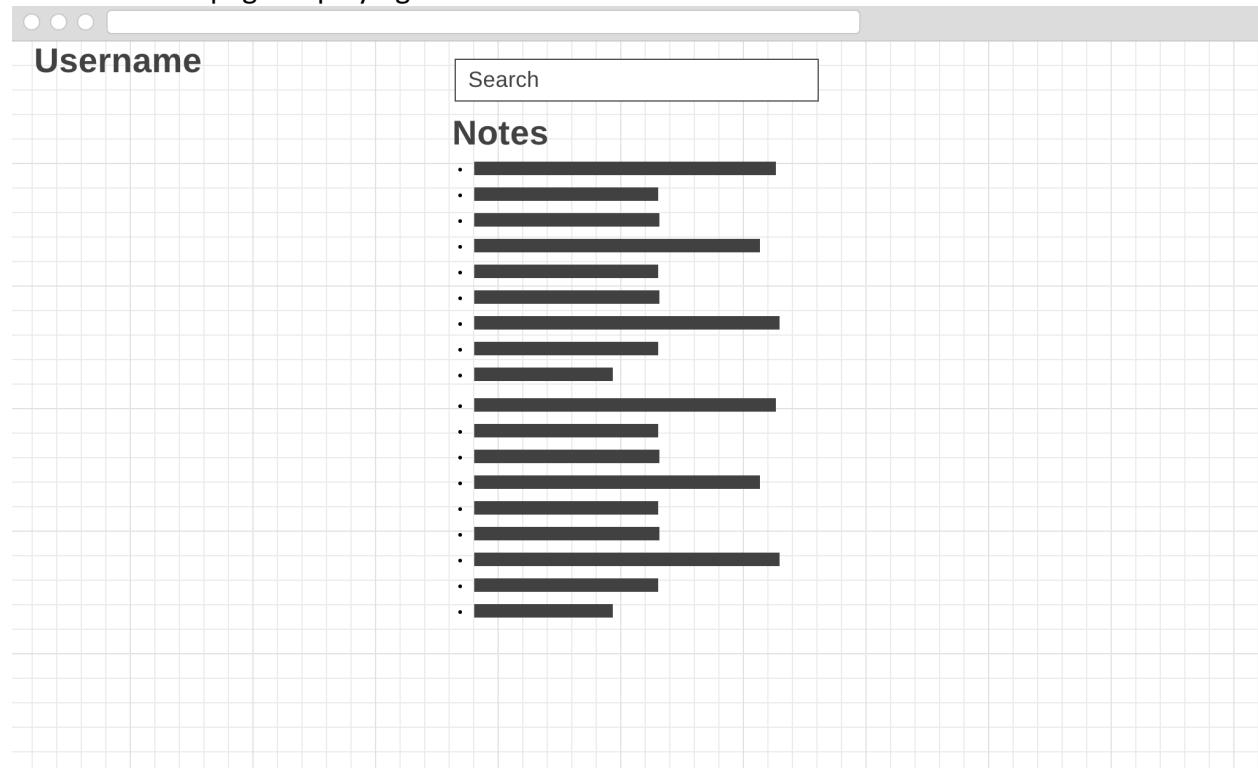
Search

Notes

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Users are brought here after logging in

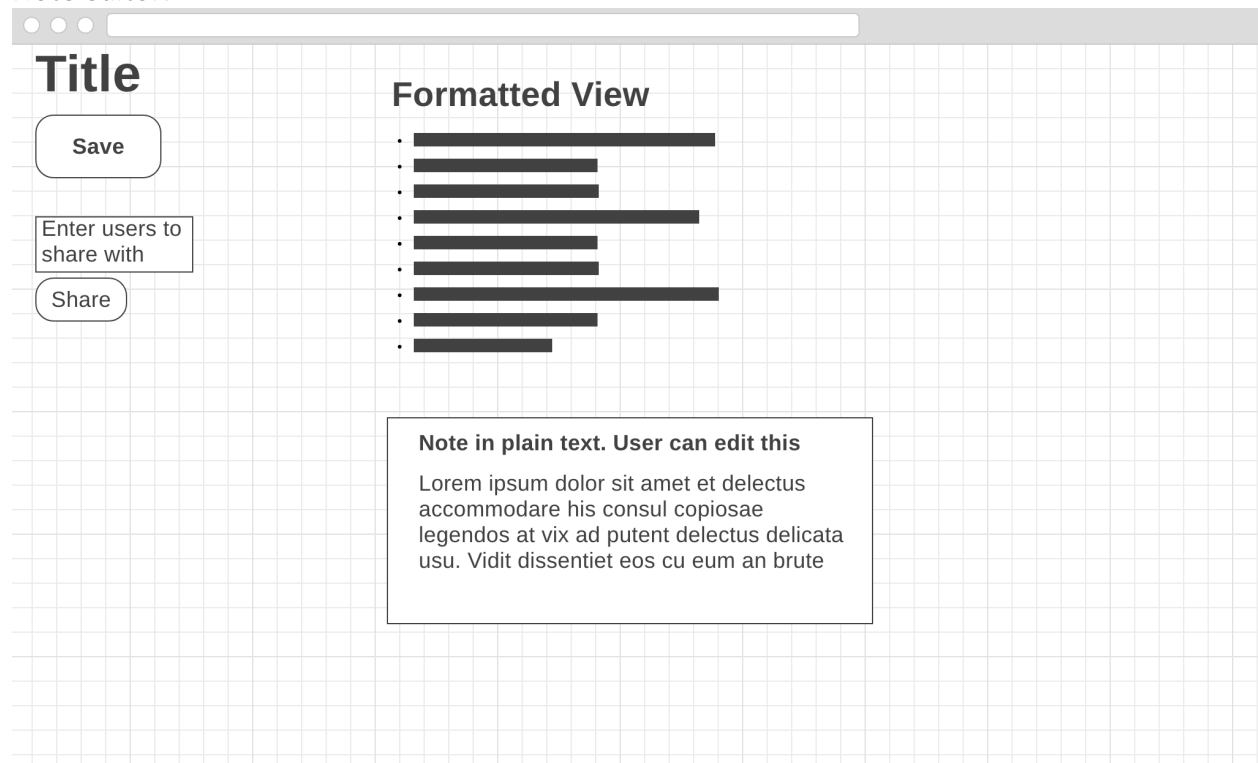
Another user's page displaying their notes:



A user profile page with a grid background. At the top, there is a browser window header with three dots and a search bar. Below the header, the word "Username" is displayed in a large, bold font. To the right of "Username" is a search input field with the placeholder text "Search". Below the search field, the word "Notes" is displayed in a bold font. Underneath "Notes" is a list of 15 notes, each represented by a bullet point followed by a horizontal bar of varying length.

Users are brought here if they search for a user and click a link to this user's profile

Note editor:



A note editor page with a grid background. At the top, there is a browser window header with three dots and a search bar. Below the header, the word "Title" is displayed in a large, bold font. To the right of "Title" is a search input field with the placeholder text "Search". Below the search field, the word "Formatted View" is displayed in a bold font. Underneath "Formatted View" is a list of 10 notes, each represented by a bullet point followed by a horizontal bar of varying length. To the left of the "Formatted View" section, there is a "Save" button. Below the "Save" button, there is a text input field with the placeholder text "Enter users to share with". Below the text input field, there is a "Share" button. At the bottom of the page, there is a text area with the placeholder text "Note in plain text. User can edit this".

Users are taken here if they click the new note button or click on a note they have made

Note View (another user's note):



Search view:

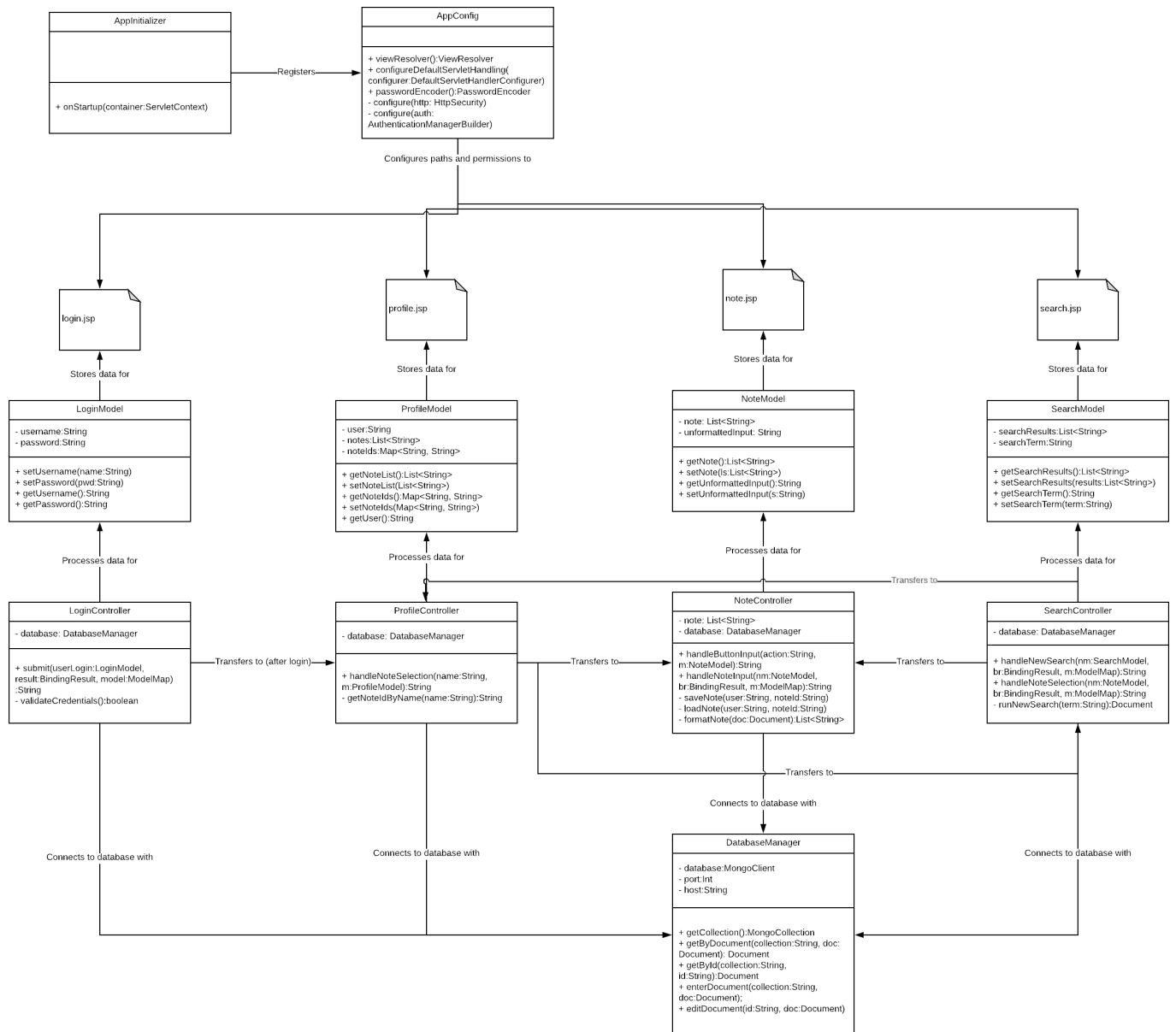
Search

Search term

- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]
- [Redacted]

Users are brought here after entering search terms in the search bar from the profile page

Class Diagram (also in the repo separately as a png)



Note: Views are *.jsp files. Since these are not classes, they are notes in the diagram.