



Eco-Note

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Project Description

I am planning to design an online note taking system, which allows users to make notes or checklists according to their needs. For eg. a user might need to remember certain things or has a to-do list for a day, the user can use a checklist and list down the items to be done which can be removed as and when the work is done. The user is also enabled to take notes. These notes can be organized in notebooks and the notebooks in turn can be organized under subjects as well. This helps the user to keep all the work very organized.

There are various functionalities provided to the general user:

- Users can copy from anywhere; the web or an already made document and paste it into the notes.
- Users can make groups with other users, where they can share certain notes, which all members in the group can view and edit the notes.
- Search for notes by the title , which the user himself has created
- Delete Notes , notebooks or the entire subject directory.
- User can create Text-Notes or Check-Lists

Every user needs to register and make their profile, to save their changes. Users need to login with their username and password.

All the above data will be stored in a database and that database will be queried to obtain the required data.

Actors

1. Admin:

Admin is someone who will keep track of the entire system. This includes

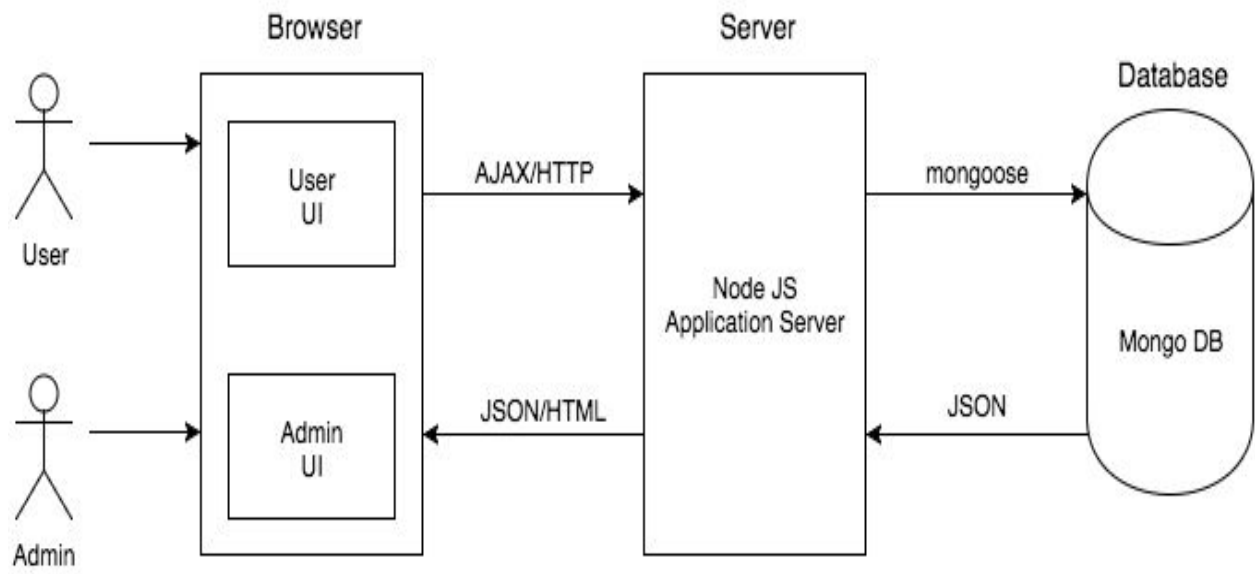
- Managing users and keeping track of their information. Information will include the private information a user entered (login credentials , name, and email ID).
- Every user needs to create a profile.
- Every kind of user needs to have a username/email and a password to access the data saved.

2. User:

- 1) **Student**
- 2) **Faculty**
- 3) **Other**

The users can add, edit, delete all the subjects, notebooks , notes created. Even can create a group and share notes in them, which can be viewed by any user in the group

Architecture



Use Case Analysis

1. User creates Profile

- Enters the url of the website.
- Clicks on the “Register” link.
- Enters the compulsory fields such as First Name, Last Name, Email-id, username, password and confirming the password.
- User then selects one option out of Student, Faculty, Other.
- All of the above options are compulsory for the user to registers
- The user then reads the terms and conditions of the website and clicks “I Agree”.
- The the user clicks on “Register”.

2. User creates and writes in a note or notebook

- Login with the username and password.
- Click on “Add Subject icon”.
- Enter the subject name in the box and click “+”.
- Click on the subject created to create a notebook.
- After creating a notebook, the user note under that notebook.
- Once the user clicks on the created note (notes are created in the similar way notebooks are created), a textbox and toolbar appears.
- To start writing in the note/notebook, click in the white-space of the user interface and start typing.
- The note will be saved in the particular notebook of a subject or independently (however it is created) once the “SAVE NOTE” button will be clicked.
- There are two types of notes available in Eco-Note, while creating the note you can select Text/ Checklist. It is necessary to select one of the two.
- User cannot change the type of the note once created.
- If a Text Note is selected then the editor will appear with the toolbar.
- If a CheckList is selected, then the user can add the To-Do Items in that list and click on “+” to add that item.
- To delete an item from the Checklist, click on the “delete icon”

3. User sets a reminder

- User logs in Eco-note with the username and password.
- Once logged in, Eco-note shows the user , the saved subjects, their notebooks and notes.
- The user selects the particular note or checklist and clicks on “Calendar icon”.
- This opens a calendar, where the user can select a date.
- Once the user clicks on “OK”, the reminder is saved for the particular note

4. User updates his/her profile

- User logs in the system with his/her credentials.
- Clicks on the Profile link on the top right hand corner.
- Click on the “Edit Profile” tab.
- All the fields in the profile will appear with their present values.
- The user can edit the fields according to his/her choice.
- Clicking on “Save and Update Profile” to save these changes to the profile.

5. User creates a group

- User logs into the system with their credentials.
- Goes to the profile page, the group tab and enters the name of the group and clicks on “+” to create the group
- After creating the group, the admin can add other members.
- All the existing users in the database will come up and the admin can add members from them.
- To delete members from the group , click on “Delete Members” button, the usernames of all the users currently in the group will come up and the admin can select any of them to delete.
- Each user can select which notes to share in the group from the notes they have created.
- Any note shared in the group is visible, readable and editable to all the members in the group.

6. User reads a note and information related to the note

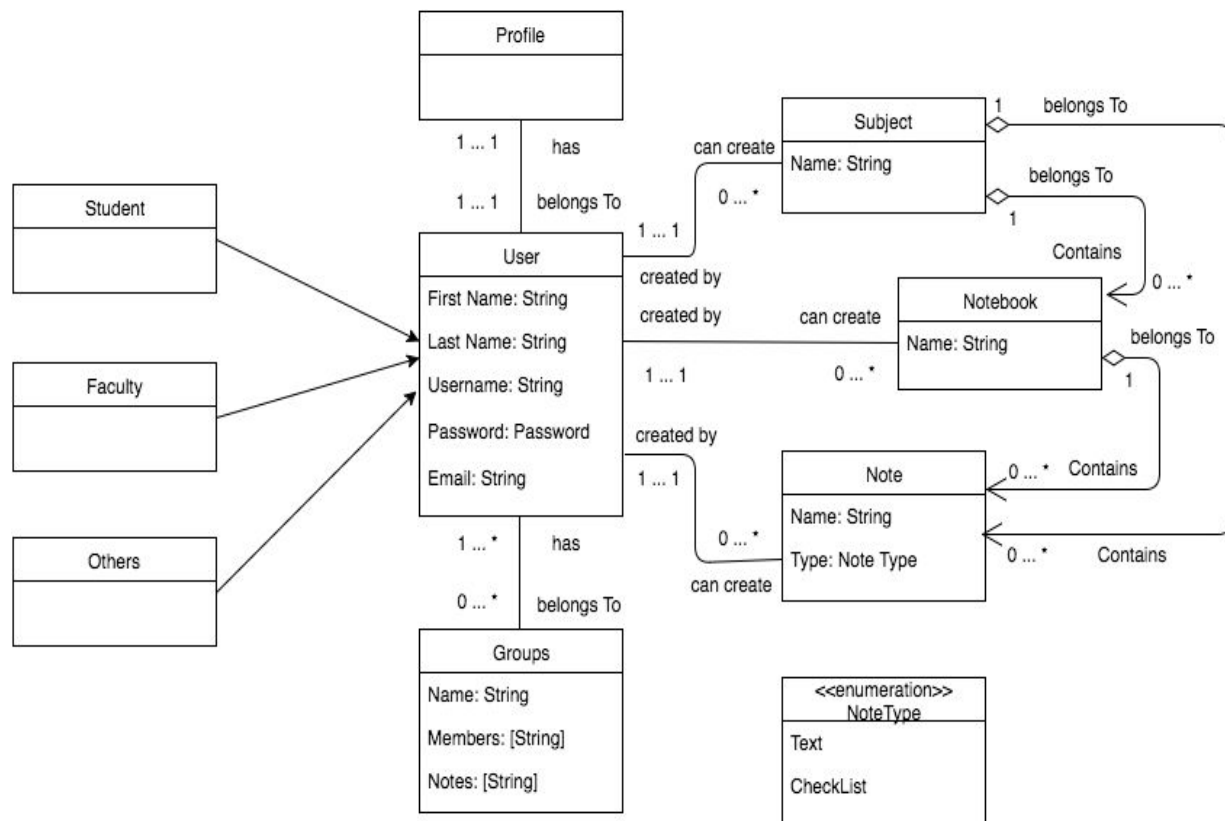
- User logs into the system with their login credentials.
- User types the name of the note/notebook he/she wants to read in the search bar and hits “Search Key”.

- If the note with such a name is created by the user, then it appears in the search results.
- By clicking on this note, its contents open.

7. User wants to delete a note or notebook or a subject

- To delete a note, notebook or a subject is a very simple process.
- The user goes to the desired tab, be it subject, notes or notebooks and clicks on the “Delete Icon” against the name of the note/notebook/subject.
- By doing this the respective item will be deleted from the profile of the user.

UML Class Diagram



Moqups

This link shows how the website will appear in a mobile handset.

https://moqups.com/Biyanta_Shah/OVDodBIM