

Notes sharing Android application

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Summary:

A website to upload notes for public viewing. Students from all over the world can upload their notes on the website. Each note will be associated with tags which can be used to filter notes and search through them. Different roles are also assigned to different users.

Types of users:

1. Basic users: Will be able to upload files and download them.
2. Moderators: Will be able to add/remove tags, remove spam/inappropriate content
3. Admins: Will be able to grant/revoke moderator privileges.

Interfaces: We will have the following screens in our app.

1. Login Screen: The app starts with this screen. This will allow the user to login in to the app with their account. On success, it takes the user to a Home Screen. This screen will also allow a user to create a new account. This is done in another screen.
2. Create User Screen: In this screen, the user can create a new account. On creating a new account the user is redirected to the Login Screen.
3. Home Screen: This screen is the main screen from which the user can search for notes, upload notes and view his own notes. All these three functionalities will be present a buttons which will take the user to the respective screen. From these three screens, the user can log out whenever they want.
4. The 'Search' Screen: This screen allows the user to search for a particular note that the user wants to see. They can search by using the compulsory tags - the discipline (Eg. Computer Science) and the subject (Eg. DBIS), and some additional optional tags. On selecting a note, the user is redirected to another screen where details of the note like the link to the note, the user who posted it, and facility to 'like' the note ,etc. are present.
5. The 'Your Notes' Screen:
 - This screen allows the user to view the notes that they have uploaded.
 - Also, the user can view their history of views.
 - This screen also provides a favourites section. This section contains the files that the user has liked.
6. The 'Upload Notes' Screen: This screen allows the user to upload a note. While doing so the user must provide the compulsory tags - the discipline and the subject as well some optional tags which will help classify the note.

ER diagram:

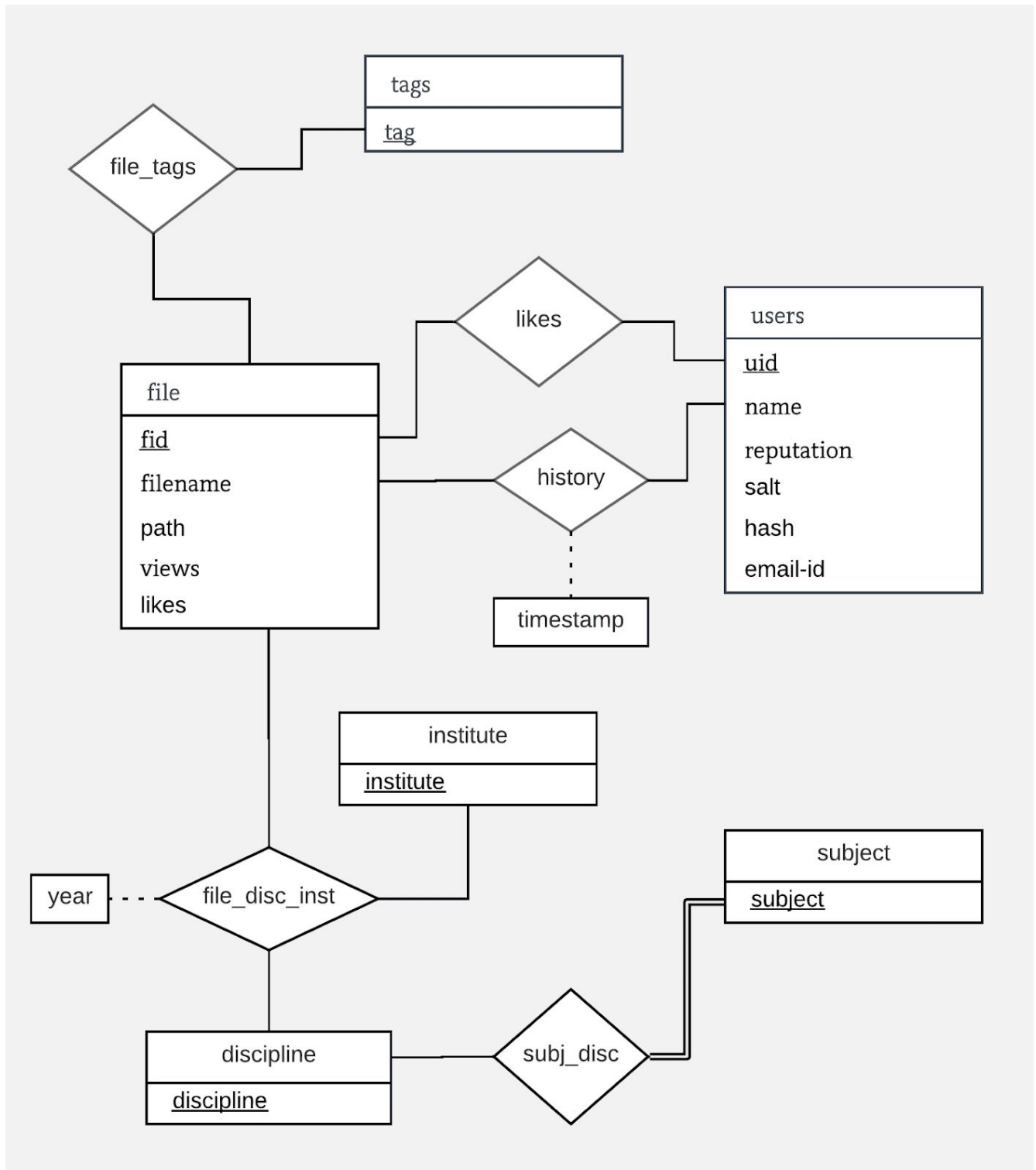
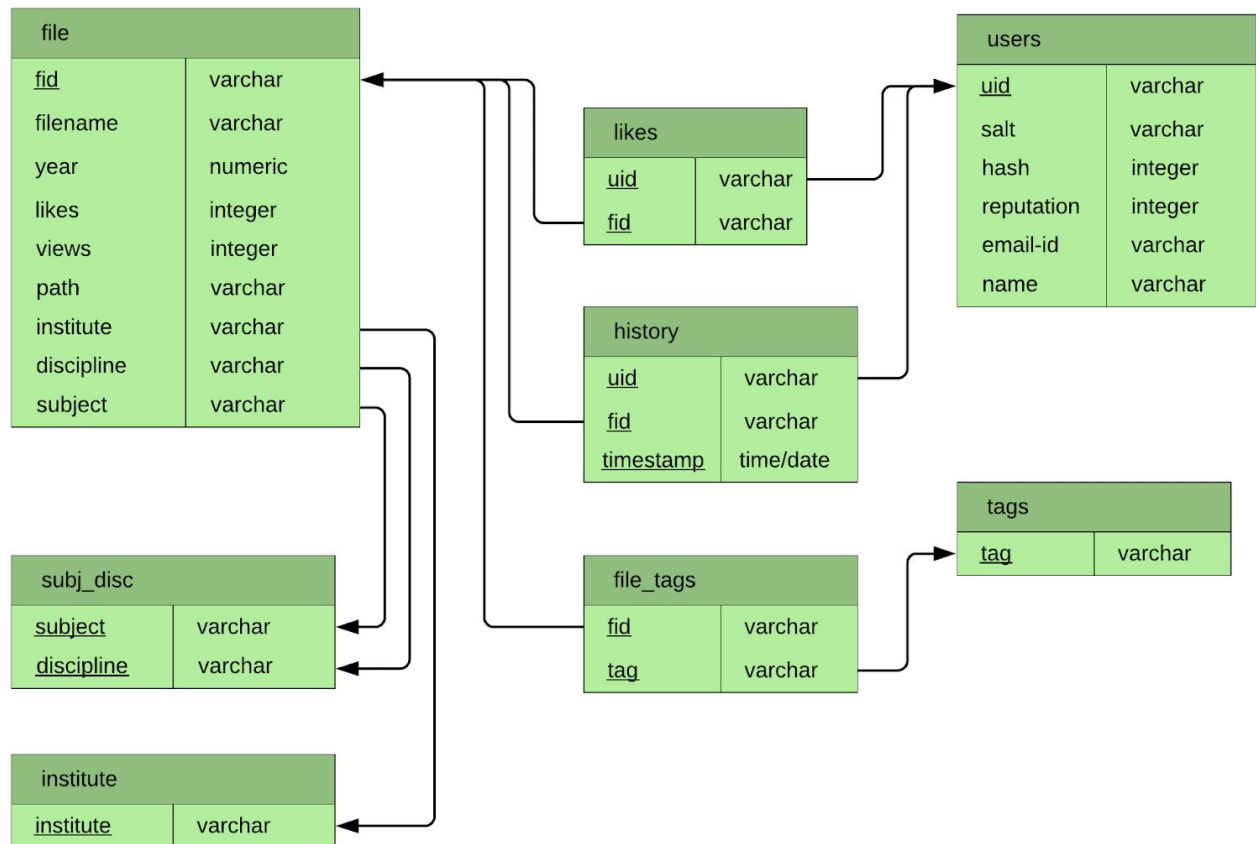


Table designui



Optional features:

1. Comments: Provision to add comments will be provided at the end of every notes.
2. Editing notes: Users may suggest edits to notes which can be approved by owner of notes.

Plans for testing:

We plan to populate the database by making a basic user upload some dummy pdfs under different classifications and download them. The moderators should be able to remove any pdf they wish to and also add tags. Admins should be able to grant or revoke privileges.