

New feature descriptions

- Ability to allow and deny access of notes to certain users
- Users with access can read, edit, or delete notes
- AJAX update of a user's feed for everyone who has access (through the users view) upon creation or edit of a note

Data Model

- I have shared_id and a sharer_id fields that create the relationship between the person granting access to the note (sharer) and the person with whom it is granted (shared). This is implemented through the relationships model and controller to toggle relationships.
- To make a shared_users array, I would pull out an array of shared_id attributes and find each user. To make this procedure more convenient I use the Rails "has_many through" relationship. So thus a user is sharing with many users through the relationships table sourced by the shared_id.

Database table schema:

User.id → through → Relationships table (sharer_id | shared_id)
→ has_many → user.shared_users (table with users)

Design Challenges

- Allow and deny access to notes to users
 - Created a relationships permissions table in the data model with the has_many through paradigm
 - Created a relationships model and controller to instantiate these
 - Added a share and unshared button on the users page to trigger the modification of these relationships
- Users with access can read, edit, or delete notes
 - Update partials, models, and controllers so that "show", "edit", and "delete" buttons appear on every note for every user who has sufficient permissions to view the note
- AJAX update of a user's feed on the users view
 - One option is to instantiate and pass JSON objects around the backend containing information about the change or creation of notes
 - The option I implemented is to use jQuery's getScript function to remotely call a script to update the user's feed page for which the update is being pushed. This is simpler and changes fewer things in the code, necessitating just a snippet of code called periodically in application.js, a script to update the view, and an index method in the notes controller.
 - Works locally, but breaks on Heroku for unknown reasons