

Enterprise Note App Documentation

Client-Side Features – Pros and Cons

Pros

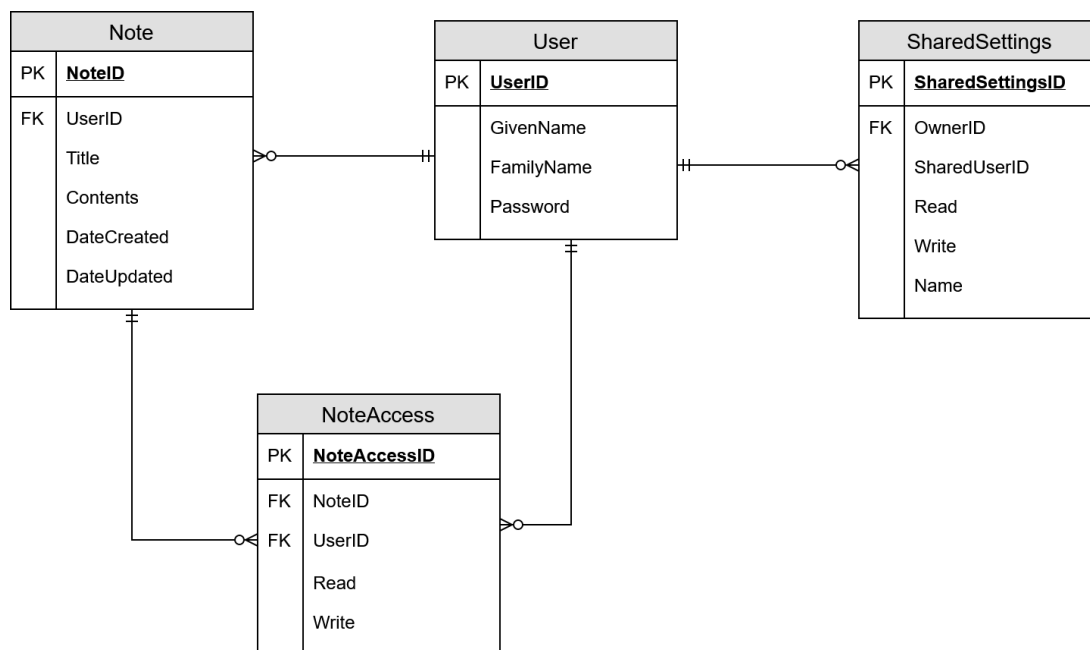
- Navbar
 - Easy to navigate through the different features
- Log Out
 - Logs out the user without the user having to manually delete the cookie
- Input Text
 - Allows user to input their own unique data
- Buttons
 - Easy to send data and access different features

Cons

- Creating account
 - User has to remember their user ID when creating an account otherwise they can't log in to the application
- User Interface
 - Could be cleaner and more user friendly

Database Interactions

Uses "github.com/lib/pq"



Four tables

- Note
 - Holds all notes created by any user within the application
- User
 - Holds all users created in the application

- NoteAccess
 - Assigns access privileges (read and write) for a note to a user
- SharedSettings
 - Holds any saved NoteAccess settings. These are assigned a name by the user and set per user.

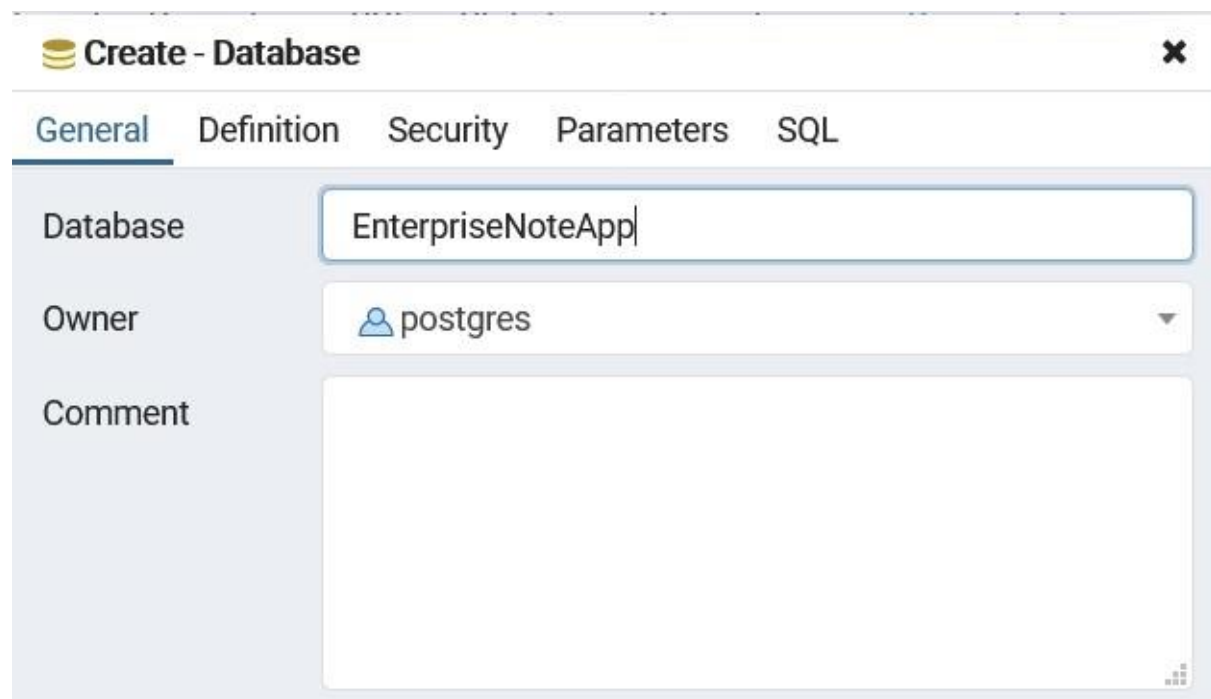
A setup database method which is run when you start up the application. First a method is called to open a connection to the database. Create table queries are then run to create the tables for the database if they don't already exist. This is so users do not have to enter the create table queries within postgresSQL themselves.

OS and Browser Capability

Created and tested on different internet browsers throughout the development process. We used a basic interface with features that are compatible across a range of browsers and operating systems.

Quick Start Guide

1. Install PostgreSQL if you don't already have it installed
2. Open PostgreSQL and create a new database called "EnterpriseNoteApp"



The screenshot shows the 'Create - Database' dialog box in PostgreSQL. The dialog has a title bar with a yellow database icon and a close button. Below the title bar are five tabs: 'General', 'Definition', 'Security', 'Parameters', and 'SQL'. The 'General' tab is selected. The 'General' tab contains three fields: 'Database' with the text 'EnterpriseNoteApp', 'Owner' with a dropdown menu showing 'postgres' and a user icon, and 'Comment' with a large empty text area. The 'Database' field is highlighted with a blue border.

3. If using for testing purposes then find the NoteAppDB.sql and copy its contents. Open the query tool in postgresSQL and paste the contents. Run the query.


```
NoteAppDB.sql X
NoteAppDB.sql
1  INSERT INTO "User" VALUES
2  (DEFAULT,'Ezra','Adkins','password'),
3  (DEFAULT,'Kasper','Richard','password'),
4  (DEFAULT,'Mason','Bush','password'),
5  (DEFAULT,'Jerry','Martinez','password'),
6  (DEFAULT,'Carla','Petersen','password'),
7  (DEFAULT,'Deacon','Rios','password'),
8  (DEFAULT,'Odysseus','Pickett','password'),
9  (DEFAULT,'Quintessa','Lee','password'),
10 (DEFAULT,'Sophia','Thornton','password'),
11 (DEFAULT,'Chiquita','Bass','password');
12
13 INSERT INTO Note VALUES
14 (DEFAULT, 1, 'This is a title.', 'Contents of the first note', DATE('now'), DATE('now')),
15 (DEFAULT, 1, 'Second title.', 'Contents of the second note', DATE('now'), DATE('now')),
16 (DEFAULT, 3, 'Third title.', 'Some contents of a note blah blah', DATE('now'), DATE('now')),
17 (DEFAULT, 5, 'Fourth title.', 'This is some contents', DATE('now'), DATE('now')),
18 (DEFAULT, 10, 'Fifth title.', 'BBQ shapes', DATE('now'), DATE('now'));|
19
20 INSERT INTO NoteAccess VALUES
21 (DEFAULT, 1, 2, true, true),
22 (DEFAULT, 1, 3, true, true);
23
24 INSERT INTO SharedSettings VALUES
25 (DEFAULT, 1, 2, true, true, 'SharedSettings Test'),
26 (DEFAULT, 1, 3, true, true, 'SharedSettings Test');
```

4. Navigate to entproject folder and run "entproject.exe"

This PC > Windows (C:) > gowork > src > entproject > entproject

Name	Date modified	Type	Size
templates	6/11/2019 4:37 PM	File folder	
entproject	6/11/2019 4:50 PM	Application	10,087 KB
NoteAppDB	6/11/2019 2:20 PM	SQL File	2 KB
project	7/11/2019 12:02 PM	GO File	27 KB
project_test	5/11/2019 3:42 PM	GO File	3 KB

5. Open an internet browser and type "<http://localhost:8080/Users/Create>"

 <http://localhost:8080/Users/Create>

6. Enter the following details to create a user

Create Account

Given Name:

Family Name:

Password:

Create Account

7. Log in with the given id

Log in

ID:

Password:

Log In

Create Account

Additional Specifications

- Log In - saves users id in a cookie to check privileges and available notes
- Log out - easy to switch between accounts
- Nav bar - easy to navigate between the different pages/functions
- Update note - takes in the values of the existing note instead of rewriting it from scratch
- User Validation - checks who is logged in. You cant view, edit, share etc. other users notes by changing the url

Note App Features

1. When clicking the “Create Account” button, you will be directed to a new page where a UserID will be displayed which will be used to log-in
2. You can either click the log-in button displayed under the welcome message or enter “localhost:8080/Users/LogIn” in the address bar to log-in. Enter the relevant details to log-in
3. Once logged in, you will be directed to your “Home” page. This is where all of your notes and the notes shared with you will be displayed in a table
4. In the navbar, you will have access to:
 - “User List” tab - This page displays the information of every user
 - “Search” tab – This is where you can search through the notes with keywords or text patterns and find all matching notes
 - “Create Note” tab – This is where you can create new notes. Enter a title and contents to create a new note. Once you have some shared settings saved, you can also apply them to a new note here (further explained in step 8 – Edit User Access)
 - “Log Out” tab – This is where you can log out
5. Within a note, you will have the ability to:
 - Update – This will redirect you to a page to update the note’s title and content. You will only have access to this page if you are the owner of the note or have write access to a note shared with you
 - Analyse – This will redirect you to a page where you can search through a note with keywords or text patterns and a count of the occurrences of your search will be displayed
 - Share – This will redirect you to a page where you can enter another user’s ID and select if they have read and/or write access to the note. Only owners can view this page.
 - Edit User Access – This will take you to a page that displays what users have access to the note and displays whether they have read or write privileges. On this page, there is a “Save New Shared Settings” button which allows you to save the specific settings. Once clicked, it will take you to a page where you can enter a name for the settings and save them for future use when creating new notes. Only owners of the note can view the edit user access page.
 - Delete – This button deletes the specified note. Only owners of the note have the ability to do so.

GitHub

<https://github.com/staceysike/entproject>

Team Member Contribution

Shannon

- Preparation (Was the team member prepared?) - 10
- Participation (Did each team member do their fair share of the development?) - 10
- Reliability (Was the team member reliable in delivering the work?) - 10

Stacey

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Shannon and Stacey approve this message :-)