README

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Implementation

1. Explanation

The current code can be implemented:
Registration -> Login -> Bookstore -> can search book by author or book's title.

2. Files

Files includes:

```
3005project folder:
        views folder:
                pages folder:
                        book.ejs
                        login.ejs
                        register.ejs
        index.js
        queries.js
        test.csv
        package-lock.json
user.sql
book.sql
```

files explation:

book.ejs // for bookstore page, which load all the book's information (connect with the "book" database)

//also the JavaScript inside, achieves search book by author or book's title.

login.ejs // for login page, which user can use their first name, last name and password to login in. BUT, if don't have an account, need to register one.

register.ejs //for registration page. Which can insert a user into "user" database.

index.js // server which connect database with client.

queries.js // use JavaScript connect with postgres, extract database to server (index.js).

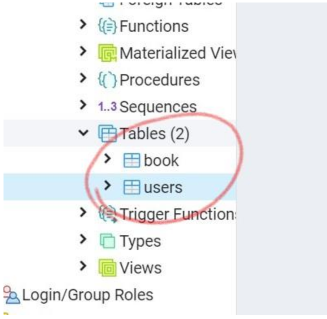
test.csv // amazon books database

3.

step1.

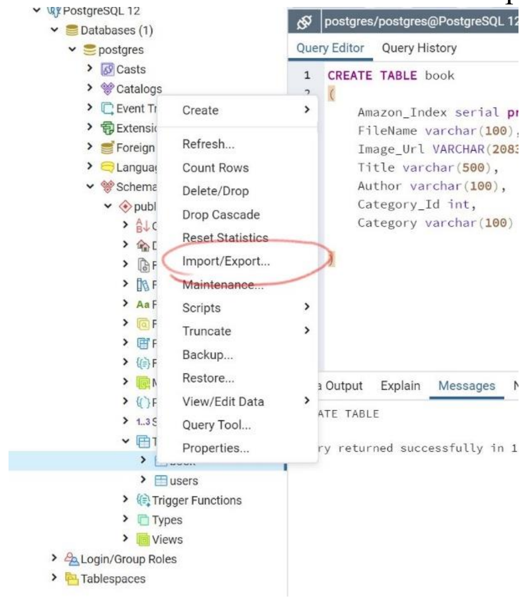
Insert the database to your postgres (pgAdmin):

Copy all the queries from “user.sql” and “book.sql” to postgres



Step2:

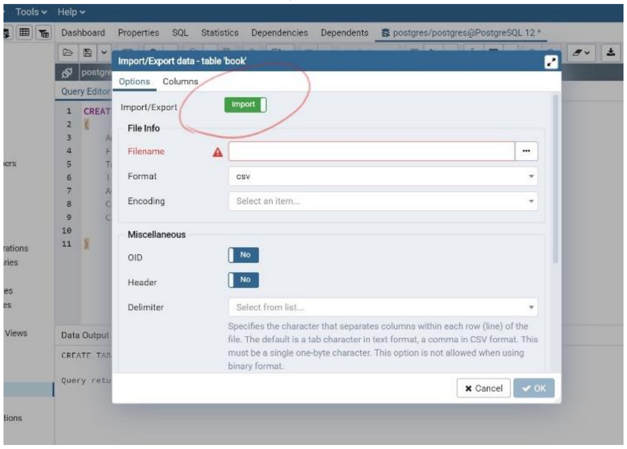
Load the “test.csv” data into “book” in postgres:



```
CREATE TABLE book
(
    Amazon_Index serial pr
    FileName varchar(100),
    Image_Url VARCHAR(208
    Title varchar(500),
    Author varchar(100),
    Category_Id int,
    Category varchar(100)
)
```

```
ATE TABLE

ry returned successfully in 1
```



Import/Export: Import

File Info

Filename:

Format: csv

Encoding: Select an item...

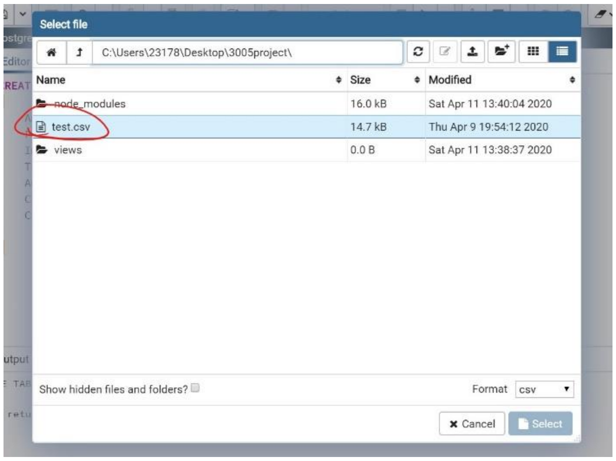
Miscellaneous

OID: No

Header: No

Delimiter: Select from list...

Specifies the character that separates columns within each row (line) of the file. The default is a tab character in text format, a comma in CSV format. This must be a single one-byte character. This option is not allowed when using binary format.



Select file

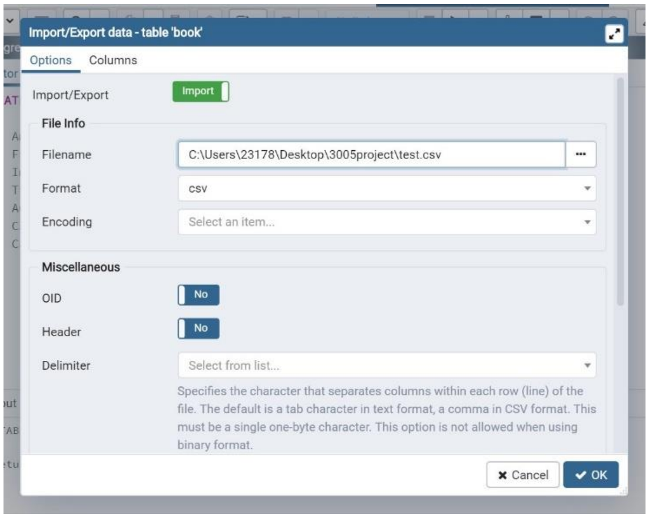
C:\Users\23178\Desktop\3005project\

Name	Size	Modified
node_modules	16.0 kB	Sat Apr 11 13:40:04 2020
test.csv	14.7 kB	Thu Apr 9 19:54:12 2020
views	0.0 B	Sat Apr 11 13:38:37 2020

Show hidden files and folders? □

Format: csv

Final look: (click OK, the “test.csv” data will insert into “book” table)



Import/Export data - table 'book'

Options Columns

Import/Export: Import

File Info

Filename: C:\Users\23178\Desktop\3005project\test.csv

Format: csv

Encoding: Select an item...

Miscellaneous

OID: No

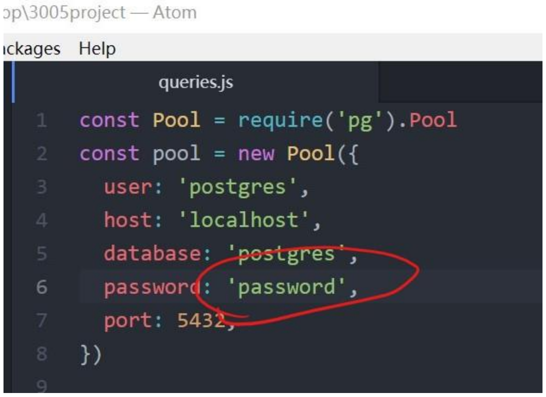
Header: No

Delimiter: Select from list...

Specifies the character that separates columns within each row (line) of the file. The default is a tab character in text format, a comma in CSV format. This must be a single one-byte character. This option is not allowed when using binary format.

Step3.

Change the “queries.js” password to **<u>your password in postgres</u>**



```
const Pool = require('pg').Pool
const pool = new Pool({
  user: 'postgres',
  host: 'localhost',
  database: 'postgres',
  password: 'password',
  port: 5432,
})
```

Step4.

When every preparation is done, you run the files, will fail by without “ejs”, “pg”, “express”

Therefore,

In your command:

```
npm install ejs
```

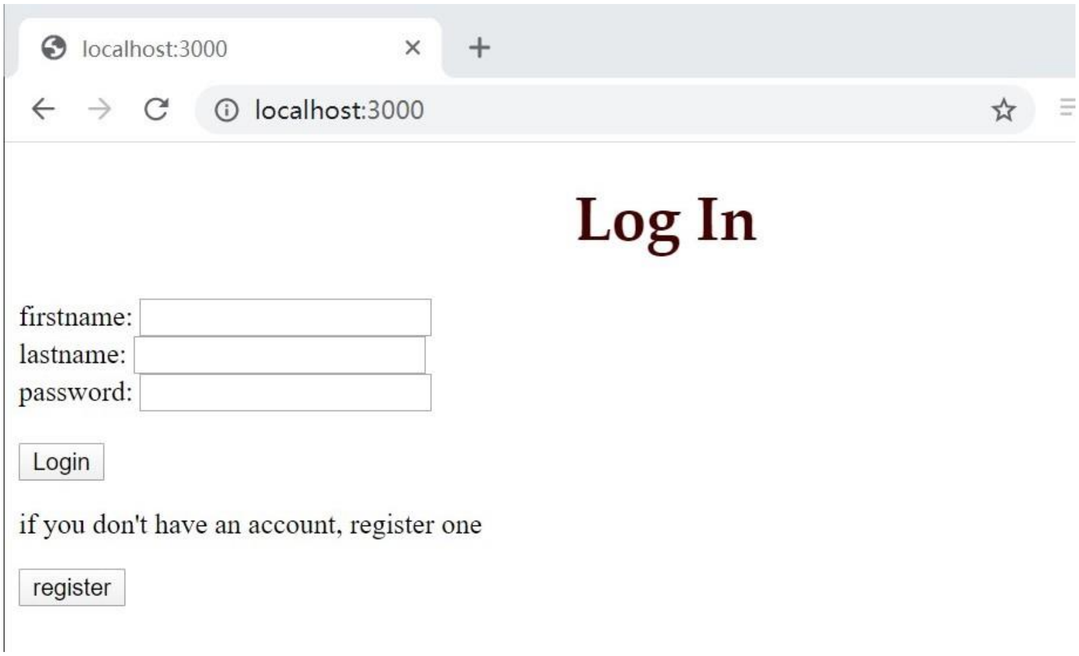
```
npm install pg
```

```
npm install express
```

Step5.

Then you can run the code:

1. Go to your client url: localhost:3000
   It will go to log in page:

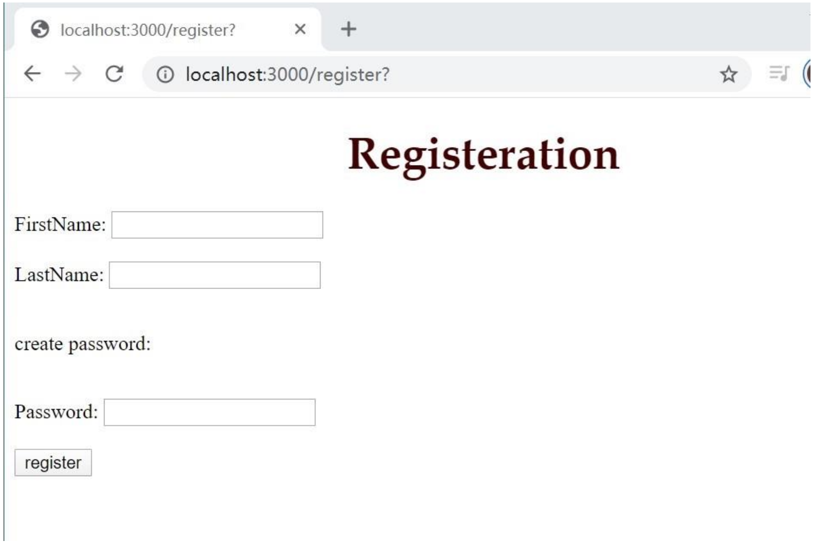


Log In

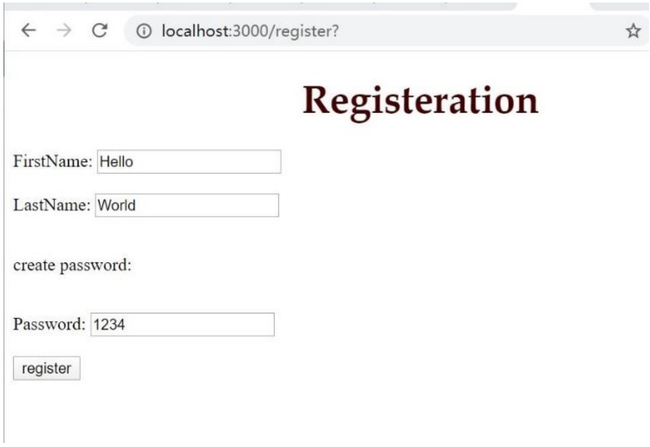
firstname:
lastname:
password:

if you don't have an account, register one

2. Before login, if you are first time go this page, you need to register first:



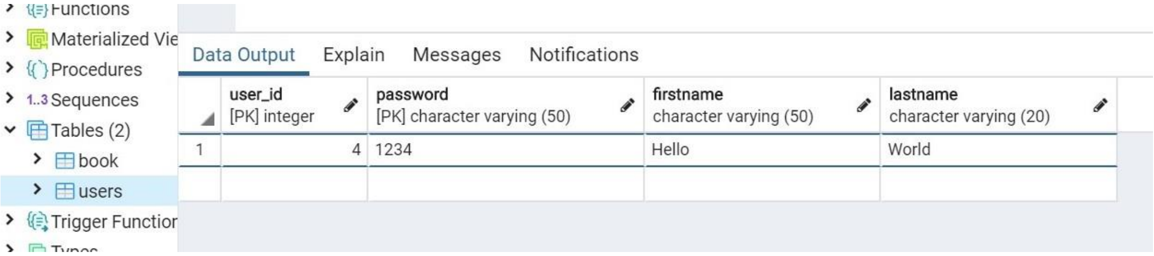
If you registered a user, in your postgres, you can see “users” table inserted the user who you just created.
For example:



FirstName: Hello

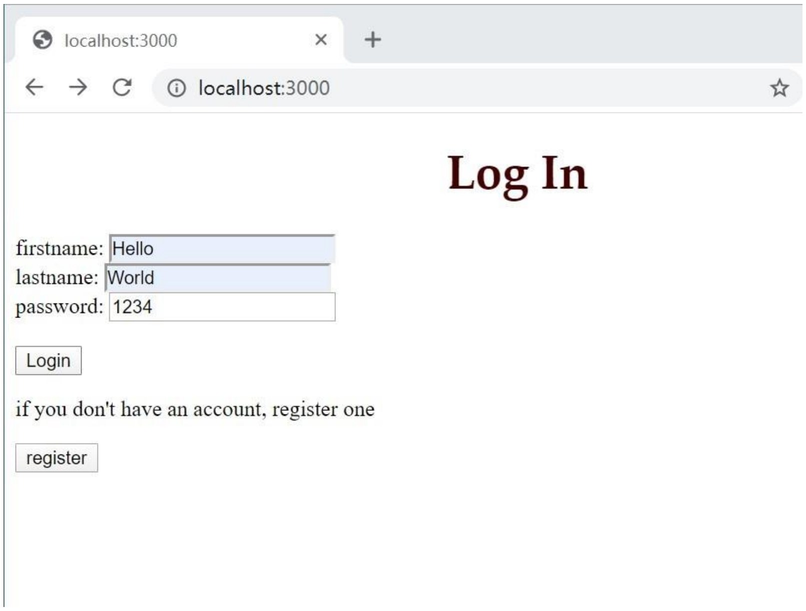
LastName: World

Password: 1234



	user_id [PK] integer	password [PK] character varying (50)	firstname character varying (50)	lastname character varying (20)
1	4	1234	Hello	World

3. Then back to the login page, you can use the account you just created to login.

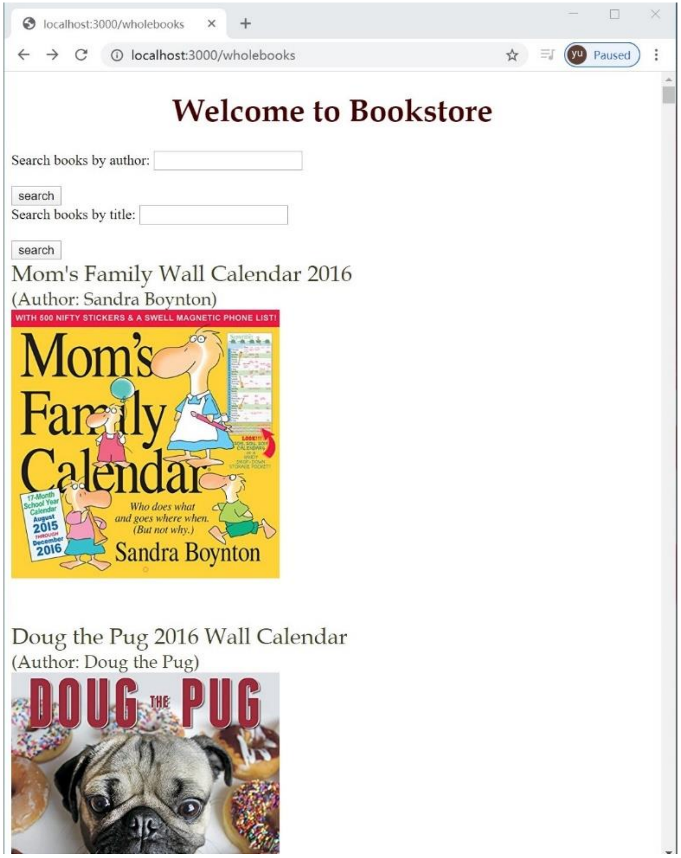


Log In

firstname: Hello
lastname: World
password: 1234

if you don't have an account, register one

4. When you login, you will see all the books in the bookstore



localhost:3000/wholebooks
localhost:3000/wholebooks
yu
Paused

Welcome to Bookstore

Search books by author:

search

Search books by title:

search

Mom's Family Wall Calendar 2016

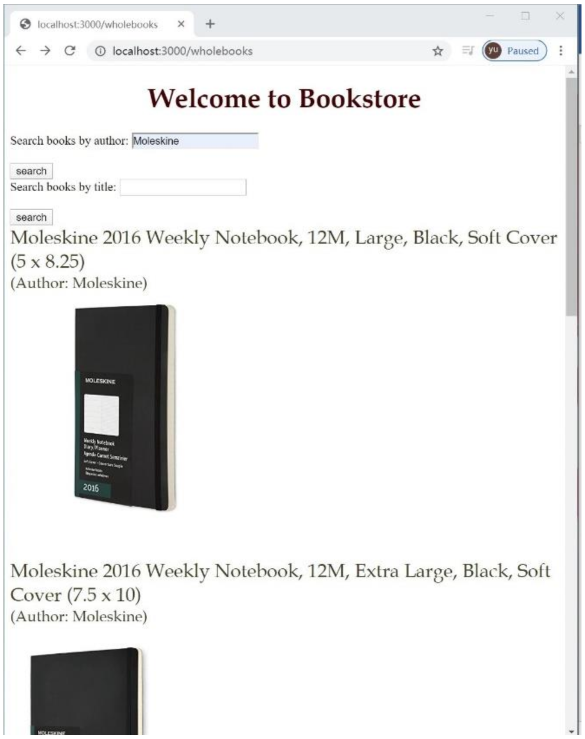
(Author: Sandra Boynton)

WITH 500 NIFTY STICKERS & A SWELL MAGNETIC PHONE LIST!
Mom's Family Calendar
17-Month School Year Calendar August 2015 THROUGH December 2016
Who does what and goes where when. (But not why.)
Sandra Boynton

Doug the Pug 2016 Wall Calendar

(Author: Doug the Pug)

5. You can search books by author



Welcome to Bookstore

Search books by author: Moleskine

search

Search books by title:

search

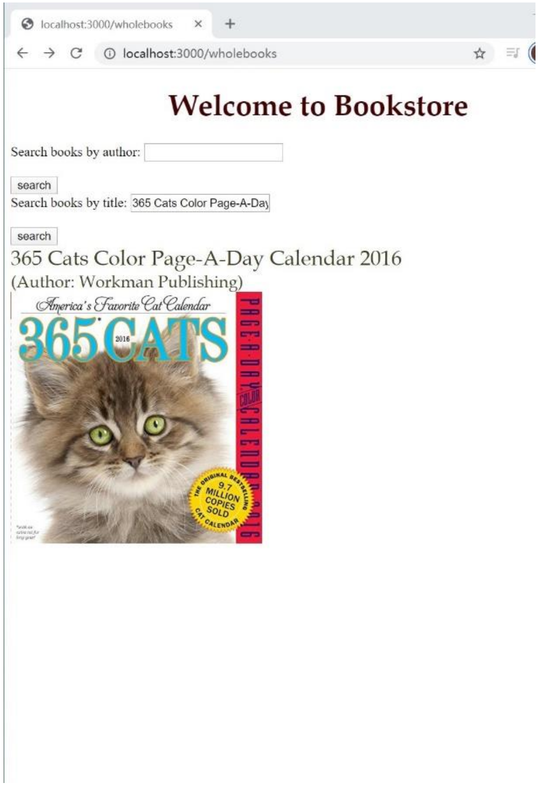
Moleskine 2016 Weekly Notebook, 12M, Large, Black, Soft Cover (5 x 8.25)

(Author: Moleskine)

Moleskine 2016 Weekly Notebook, 12M, Extra Large, Black, Soft Cover (7.5 x 10)

(Author: Moleskine)

6. You can search books by name



Welcome to Bookstore

Search books by author:

search

Search books by title: 365 Cats Color Page-A-Day

search

365 Cats Color Page-A-Day Calendar 2016

(Author: Workman Publishing)