**PART 1**  
  
Create Me a simple websites Project that use Angular.js and Node.js and PostgreSQL.

This is my database used: postgresql://postgres:postgres@localhost:5432/utmebookdb

The Files and structure should only follow my Project Structure (Simple)

First Create Me Register And Login Page By using the data below.  
  username

  email

  password   
  
In Register Page It have OTP services function, After user put username and email, it will send a OTP code to the user’s email and when OTP code entered is correct then user can input the password. After that it will go to the login page. After user login it will go to the dashboard page and in this page will have (Add eBook, Cart, Order, Messages, MyBook, Account) Navigation Bar. And below the Navigation Bar section have Search section, and below search section have Banner Section, and below Banner Section have New Arrivals Section and below New Arrivals have Wishlist section. For The Dashboard page Just Create the interface first do not make it function yet.

**Part 2**

Just do what I request only (Don’t make to complex I will also provide you my database scheme and Project Structure). When clicking on the <i class="fas fa-plus-circle"></i> **Add eBook** button, it will navigate to the **Add Book** page, where users can upload their books. The required information to be entered includes:

* **Title**
* **Category**
* **Price** (in RM)
* **Description**
* **Cover Image** (user can upload an image)
* **Upload Date** (automatically set to the current date), Tells me what folder to create and where
* **Status** (initially set to "Available")
* **Upload Book** (user can upload a PDF file) Tells me what folder to create and where

This information will be stored in the appropriate database table with the correct foreign key relationships.

Once the book is added, two sections will be updated:

1. **New Arrivals Section**
   * This section will display:
     + Cover Image
     + Title
     + Seller Name
     + Status
     + Upload Date
   * Please remove the rating element.
   * The newest book will be shown first.
2. **Order Page**
   * The page will display two sections side by side: **My Purchases** and **My Sales**.
   * When a user adds a book, the **My Sales** section will be updated to show all books uploaded by that user.
   * Each listed book will include an **Edit** button (to modify book information) and a **Remove** button (to delete the book, which will also remove it from the database).

This is the files that currently I have.

**Part 2 Continue…**

In order.html, I have this button:

html

CopyEdit

<button class="btn-edit" ng-click="editBook(book)">

<i class="fas fa-edit"></i> Edit

</button>

When I click this button, I want it to display a form (or modal) that allows me to update the book details, including:

* **Title**
* **Category**
* **Price** (in RM)
* **Description**
* **Cover Image** (user can upload an image)
* **Upload Book** (user can upload a PDF file)

However, the **status** field should be **visible but not editable**.

This method should work the same as the **Add eBook** form, but this one when users want to **edit** an existing book instead of adding a new one.  
  
Don’t make to complex, just do what I request only. I will also provide you my project structure and database scheme.

**Part 3**

I want the following behavior when the **"Buy"** button is clicked on dashboard.html:

html

CopyEdit

<button class="btn-add-buy" ng-click="">

<i class="fas fa-shopping-cart"></i> Buy

</button>

* When this button is clicked, it should navigate to the **"place-order"** page.
* On the "place-order" page, it should display the **book details**, including:
  + Book cover image
  + Title
  + Seller name
  + Price
  + Upload date
  + Book description
* Ask for **payment method**.
* There should also be a **field for the user to enter the MAC address**.

Below the MAC address field:

* Add **two buttons side by side**:
  + **Desktop Instruction**
  + **Mobile Instruction**
* When either button is clicked, a **modal box** should appear showing **instructions** on how to get the MAC address.
* Below the instructions, display a **Download** button:
  + If **Desktop Instruction** is clicked, show a button labeled **"Download Desktop MacReader"**, which downloads a .exe file.
  + If **Mobile Instruction** is clicked, show a button labeled **"Download Mobile MacReader"**, which downloads an .apk file.
* The files should be downloaded from the path: uploads/apps/.

**Lastly**, at the bottom of the page, add a **"Place Order"** button. *(It does not need to be functional yet.). Don’t make to complex, just do what I request only. I will also provide you my project structure and database scheme.*

**Part 3 (Continue…)**

When I click the "Place Order" button in place-order.html:

html

<!-- Place Order Button -->

<div class="order-actions">

<button class="btn-place-order" ng-click="placeOrder()">

Place Order

</button>

</div>

The following actions should take place:

1. The information about the purchased book will be saved to the purchases database table.  
   The stored information should include:
   * title
   * category
   * OrderID ( MUST 10 characters start with UTM)
   * price
   * payment\_method
   * mac\_address
   * cover\_image\_path
   * purchase\_date TIMESTAMP DEFAULT CURRENT\_TIMESTAMP
   * OrderStatus VARCHAR(20) DEFAULT 'Pending'
   * book\_file\_path

Ensure all foreign key relationships are correctly defined.

1. The book status in the books table will be updated from "Available" to "Sold".
2. The "My Purchases" section in order.html will be updated to display the purchased book details similarly to the "My Sales" section.
   * The status will reflect the value from the OrderStatus column in the purchases table.
   * The "Remove" button will be replaced with a "Cancel Order" button.
3. When the user clicks the "Cancel Order" button:
   * The order will be removed from the "My Purchases" section.
   * The book status in the books table will be changed back to "Available".
4. When the user clicks the "Edit" button:
   * They should only be able to update the MAC address.
5. A message will be sent to the admin user in message.html through the following navigation item:

html

<li>

<a href="#" ng-click="navigateTo('messages')">

<i class="fas fa-envelope"></i> Messages

</a>

</li>

* The message will contain details of the purchase based on purchases database table.
* It should be sent only to users with the admin role, based on the users database table.

1. When an admin user clicks the "Messages" tab:

html

<li>

<a href="#" ng-click="setActiveTab('messages')">

<i class="fas fa-envelope"></i> Messages

</a>

</li>

* It will display all purchases made by users.
* When the admin clicks on a specific purchase, the purchase details will be shown.

"I cannot click the 'Place Order' button unless a real payment is made. Please fix this. This is for a project assignment, and I only want to implement Stripe without requiring an actual payment. The 'Place Order' button should be clickable and function as usual, even without processing a real transaction." And Why in my code, stripe payment only have one pay option, which is credit card. Can you add online banking too?

**I use create this Payment Links test in stripe** [**https://buy.stripe.com/test\_eVadQQ97z4lWc125kk**](https://buy.stripe.com/test_eVadQQ97z4lWc125kk)

**Can you implement this in my code, but still can bypass as before this. Just implement the links.**

**Part 4**

When I log in, if the system detects that my role is "admin", it will navigate to the UserAndBook Manager.html page. This page includes the following navigation bar:

<!-- Navigation Bar -->

<nav class="navbar">

<ul ng-class="{'show-mobile': mobileMenuOpen}">

<li>

<a href="#" ng-click="setActiveTab('user-book-manager')">

<i class="fas fa-plus-circle"></i> User & Book Manager

</a>

</li>

<li >

<a href="#" ng-click="setActiveTab('messages')">

<i class="fas fa-envelope"></i> Messages

</a>

</li>

<li>

<a href="#" ng-click="setActiveTab('account')">

<i class="fas fa-user"></i> Account

</a>

</li>

<li>

<a href="#" ng-click="setActiveTab(ActivityReport)">

<i class="fas fa-home"></i> Activity Report

</a>

</li>

</ul>

</nav>

When I click on "User & Book Manager", it opens a view with two sections displayed side by side:

1. Books Section

* Displays all books in the database.
* For each book, the following details are shown:
  + Cover image
  + Title
  + Seller name
  + Price
  + Upload date
  + Status
* Each book has a Delete button below it. When clicked, a confirmation dialog appears (e.g., *"Are you sure you want to delete this book?"*). Upon confirmation, the book is deleted from the database.
* Clicking on a book displays its description.

At the top of this section:

* A Search bar (Make it Function)
* An "Add Book" button enables the admin to add new books.

2. Users Section

* Displays all users in the database excluding those with the "admin" role.
* Each user is displayed with a profile icon (e.g., <i class="fa-solid fa-user"></i>) and their relevant information.
* Each user has a Delete button below. When clicked, a confirmation dialog appears (e.g., *"Are you sure you want to delete this user?"*). Upon confirmation, the user is removed from the database.

At the top of this section:

* A Search bar (Make it Function)
* An "Add User" button allows the admin to add new users.

Don't make it to complex, just do what I request only. I will share the files that currently I have.

**Part 5**

Please modify my code in mssgAdmin.html. In the section:  
**<!-- Purchase Details Modal for Admin -->**, add a **Download** button under the purchase date. When the admin clicks this button, it should download the PDF file stored in the book\_file\_path field of the purchases table in the database.

Next, when I click the **Update Status** button, it should:

1. Encrypt the PDF file using the **MAC address** of the buyer (provided in the purchases table).
2. Automatically upload the encrypted file into a new database table called encrypted.

The information that should be stored in the encrypted table includes:

* Cover image of the book
* Title
* Category
* Price
* Order ID
* Purchase date
* encryptedBook (the encrypted PDF file,This will allow the buyer to later download the encrypted PDF file)

**Part 5 ( Continue…)**

**I have two requests:**

1. In order.html, I have a **Download** button:

html

CopyEdit

<button class="btn-download" ng-click="downloadBook(purchase)" ng-if="purchase.status === 'Delivered'">

<i class="fas fa-download"></i> Download

</button>

Please modify it so that when I click this button, it will download the encrypted book from the database table, using the value from the encrypted\_book\_path column.

1. Please create a new page, MyBook.html. This page should display all the books purchased by the buyer, **but only those with the status "Delivered"**. For each book, display the following information:
   * Book cover image
   * Title
   * Category
   * Order ID
   * Purchase date

Below each book, include a **Download** button. When clicked, it should download the encrypted book from the encrypted\_book\_path column in the encrypted database table.

**Part 6**

In the server.js file, within this section:

app.get('/api/encrypted/download/:orderId', async (req, res) => {

I have a function that encrypts a PDF file. I also have a mac\_reader.py script that reads the MAC address of the user's device. This MAC address is used as a secret key to encrypt the PDF files.

What I need is, create me a PdfReader.exe application, using Python, that can decrypt the PDF files back.  
  
It should able to open the encrypted pdf file only. And will not save the decrypted pdf.

**Part 7**

**Part 8**