

Smart Tax Payment Tracking System

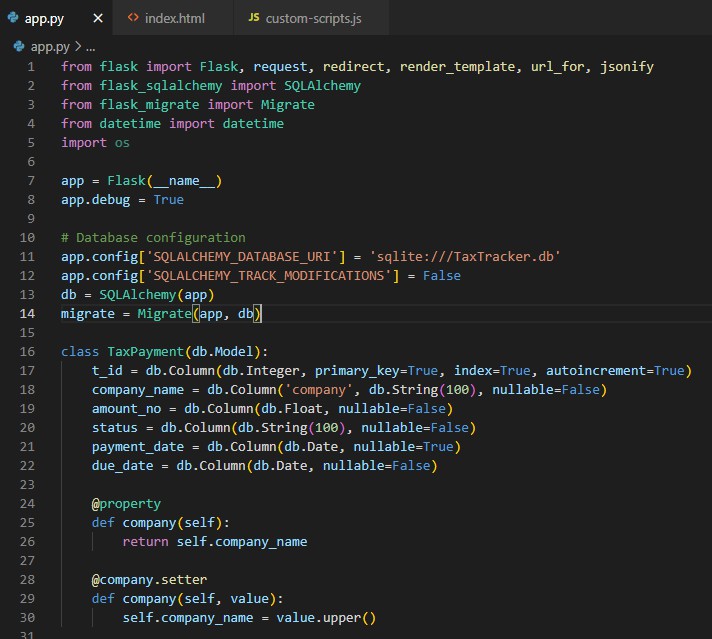
**Course Name:** Database Systems

**Instructor:** Professor Xiaofeng Li

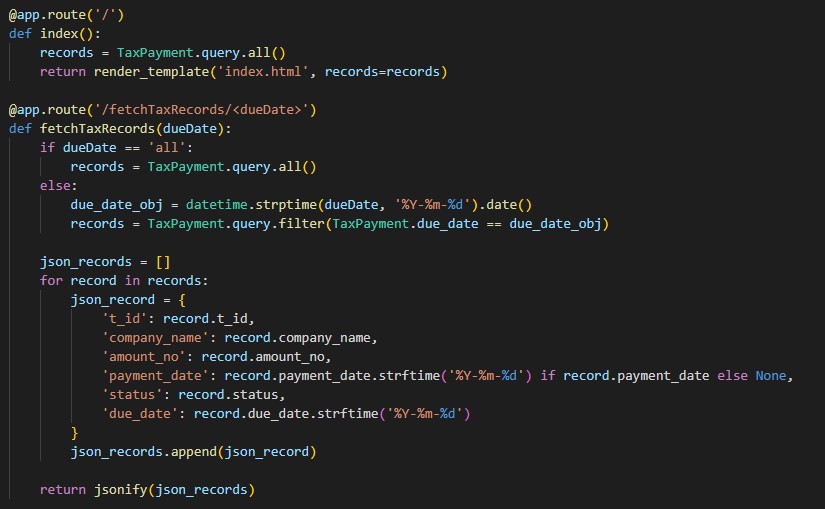
ABHINAV REDDY KALLEM

**#Connect Database**

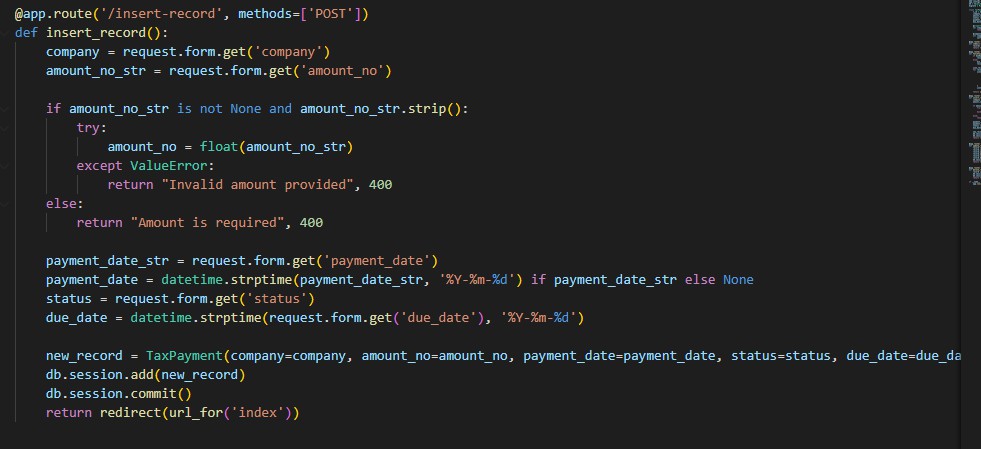
In our project, I utilized the Python Flask framework to build an instance called app.py, and then connected to our database using the Sqlite. I have set SQLALCHEMY\_DATABASE\_URI as 'sqlite:///TaxTracker.db. A connection is established between the db and the app. I made the db and migration object from the app, after the database is created. And then, I built the TaxPayment model with six columns where t\_id is the primary key.



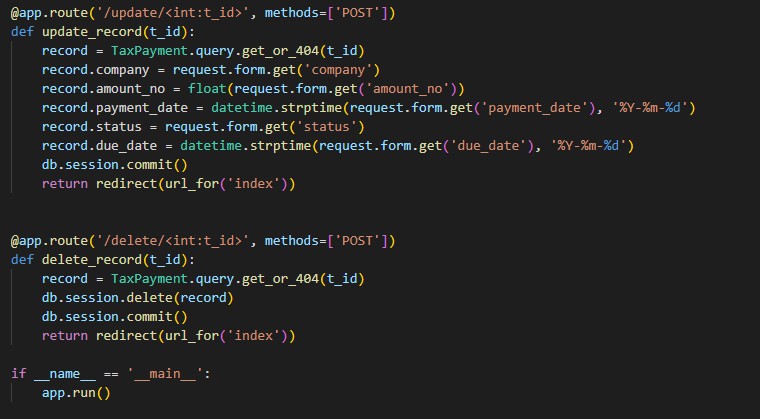
After that, I have created a route for showing the home page of the app. And then I created a route to get the tax payment records based on a specific due date.



Then I created another route to insert a new record



After that, I created another route to update any existing record. Then I create a route to delete any existing records.



**API and Controller:**

ENDPOINT ‘/’ (only controller) METHOD: GET

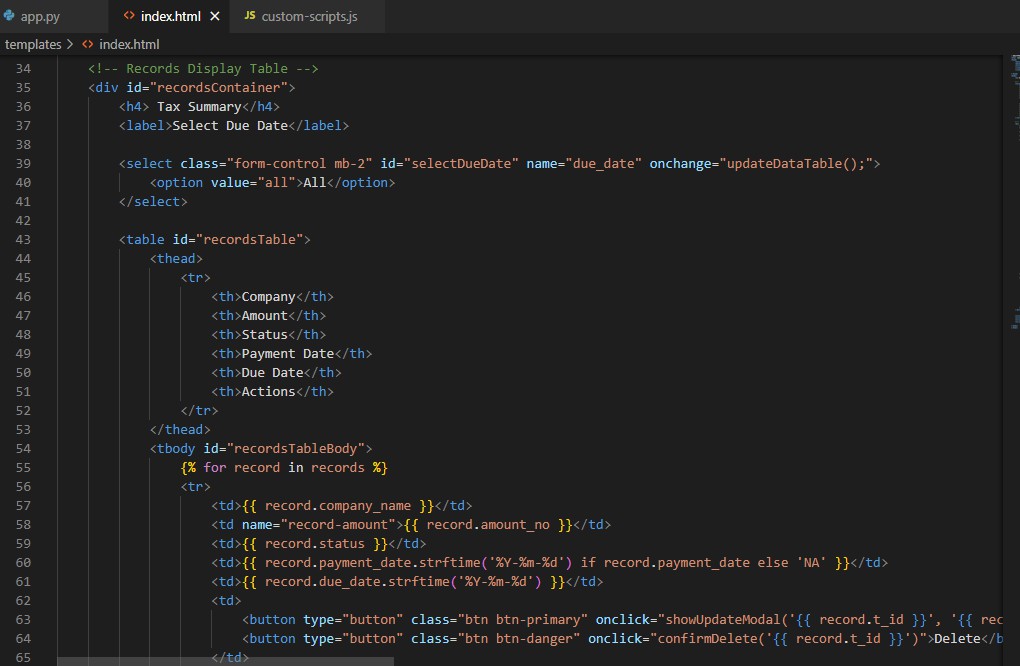
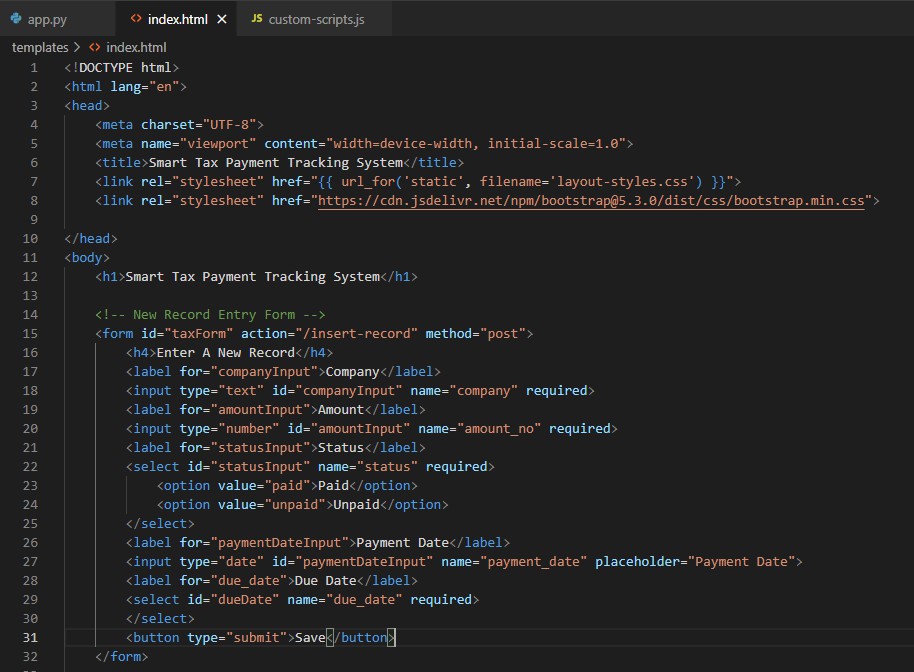
ENDPOINT ‘/fetch/TaxRecords/<dueDate>’

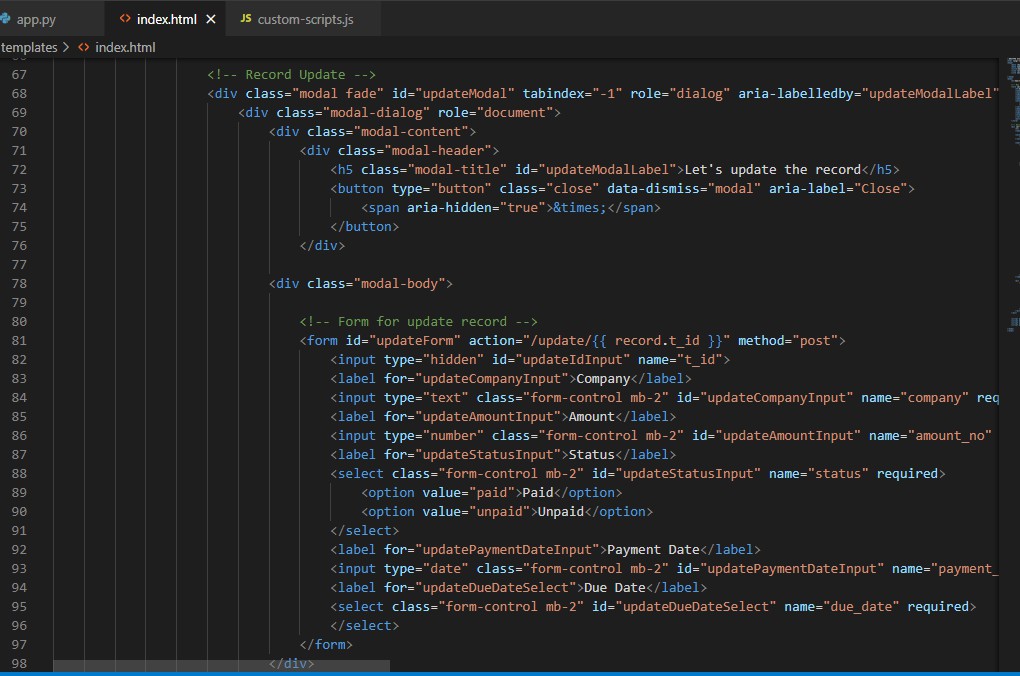
ENDPOINT ‘/insert-record’ METHOD: POST

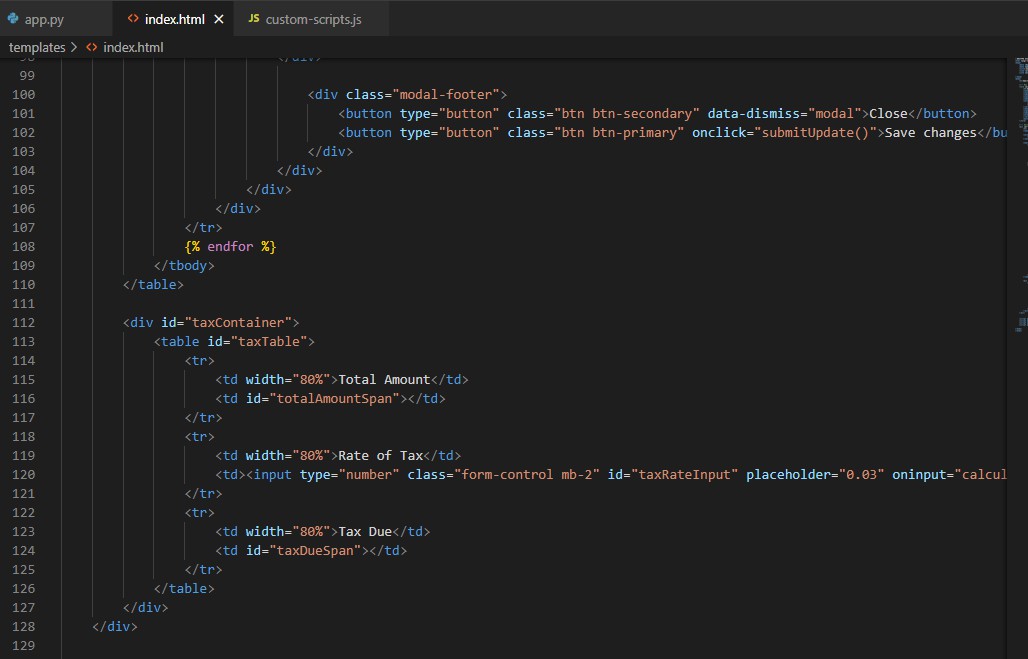
ENDPOINT: ‘/update/<int:t\_id>’ METHOD: POST

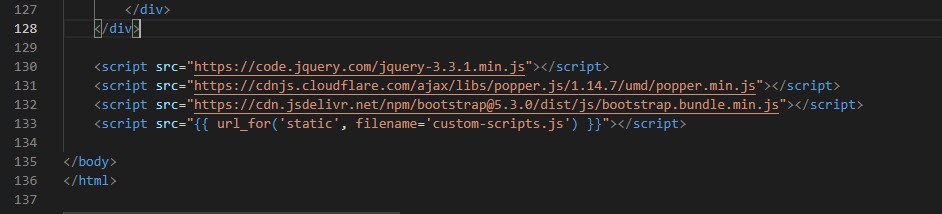
ENDPOINT: ‘delete/<int:t\_id>’ METHOD: POST

**Index.html Code:**

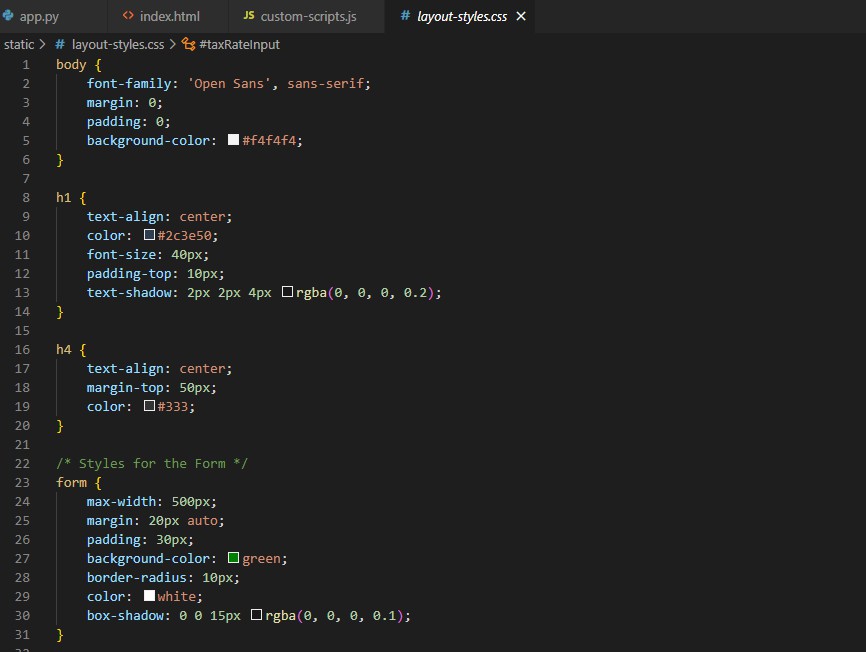


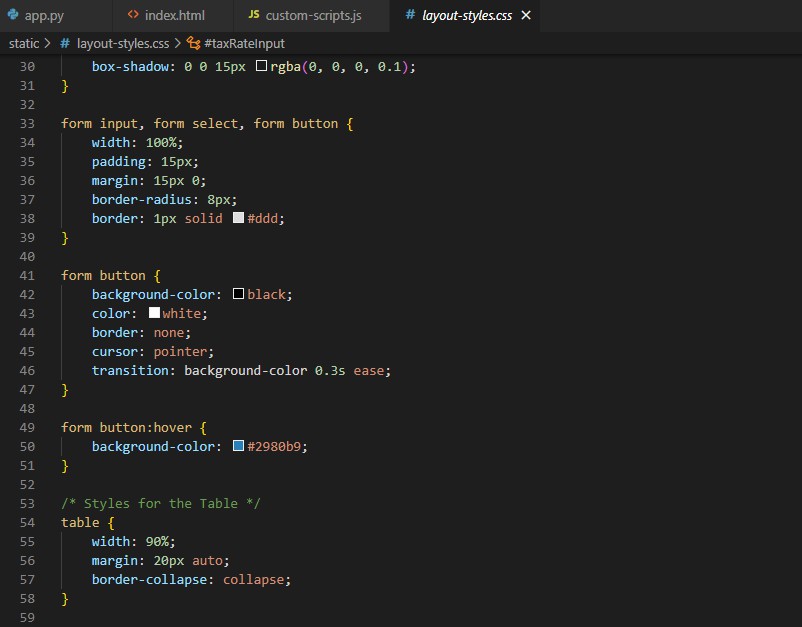


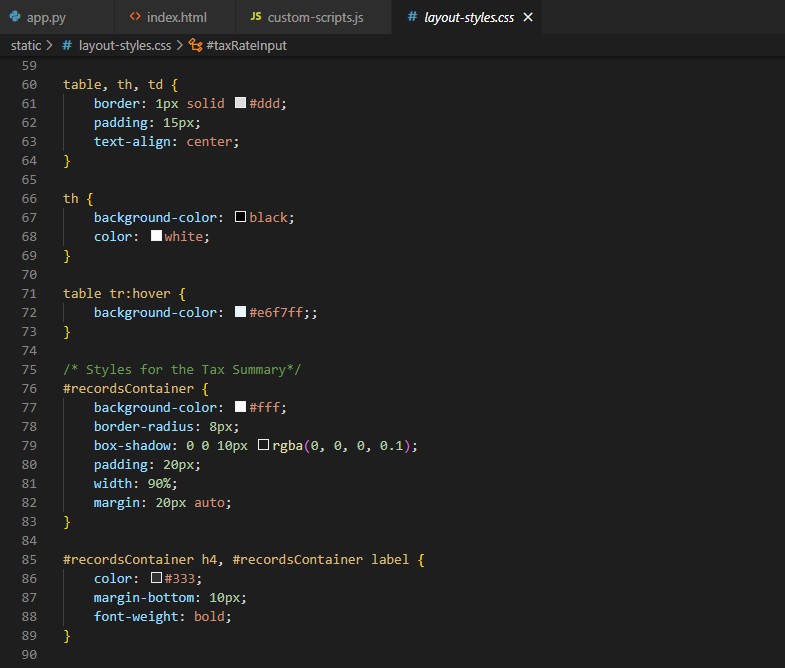


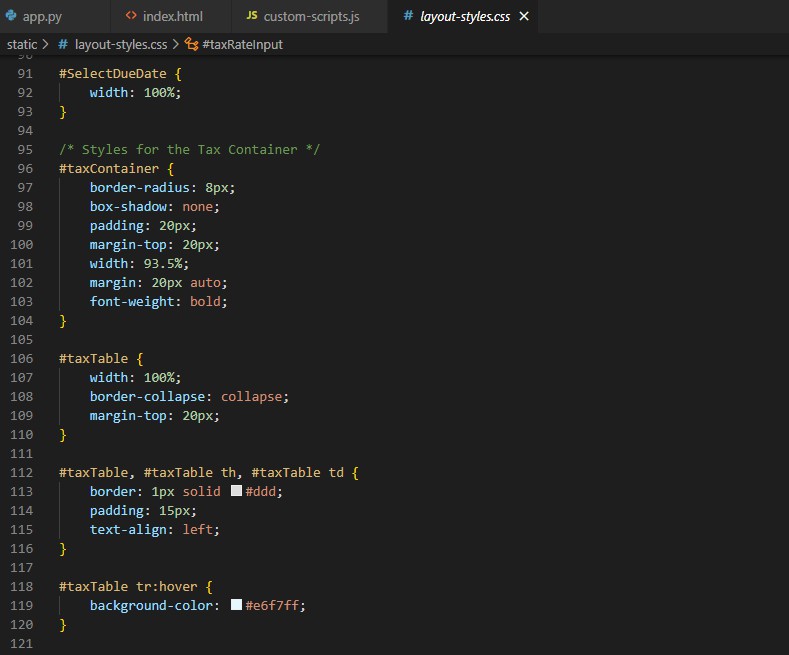


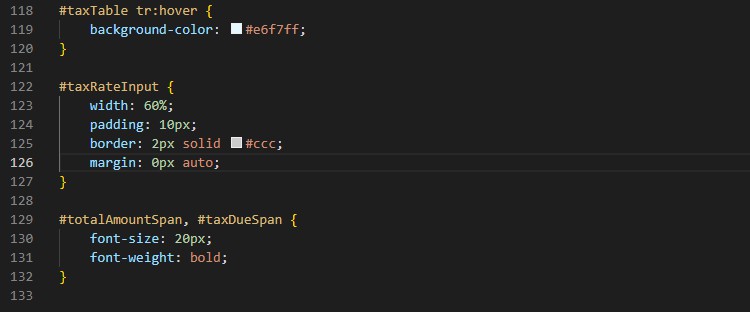
**layout-styles.css**



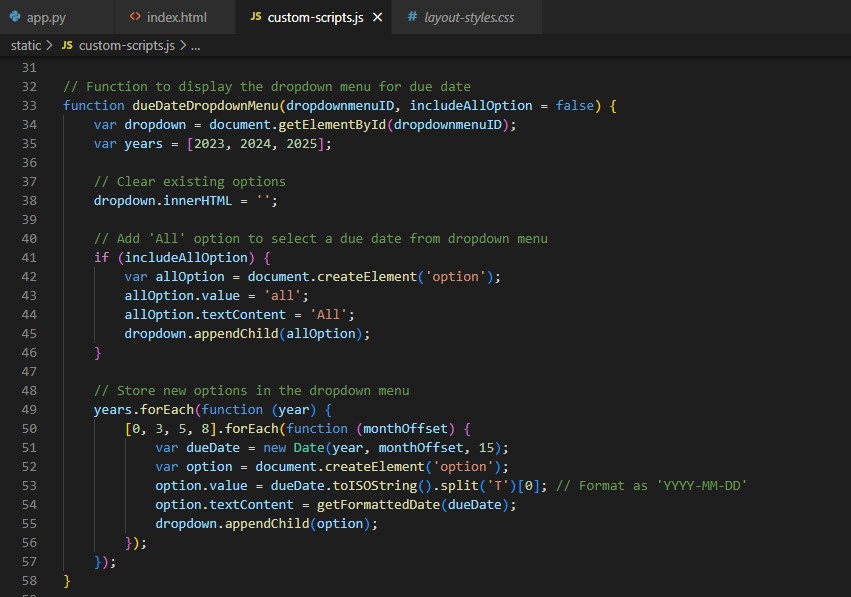
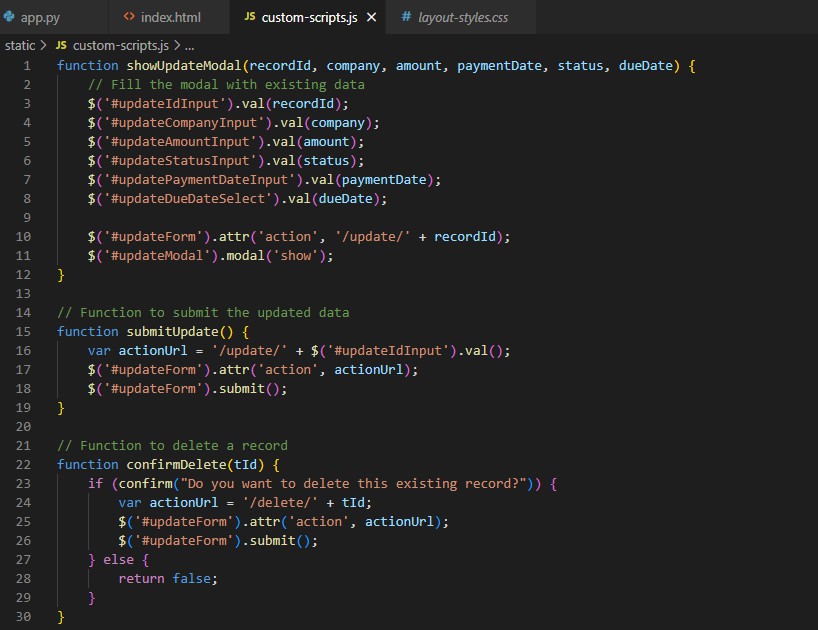


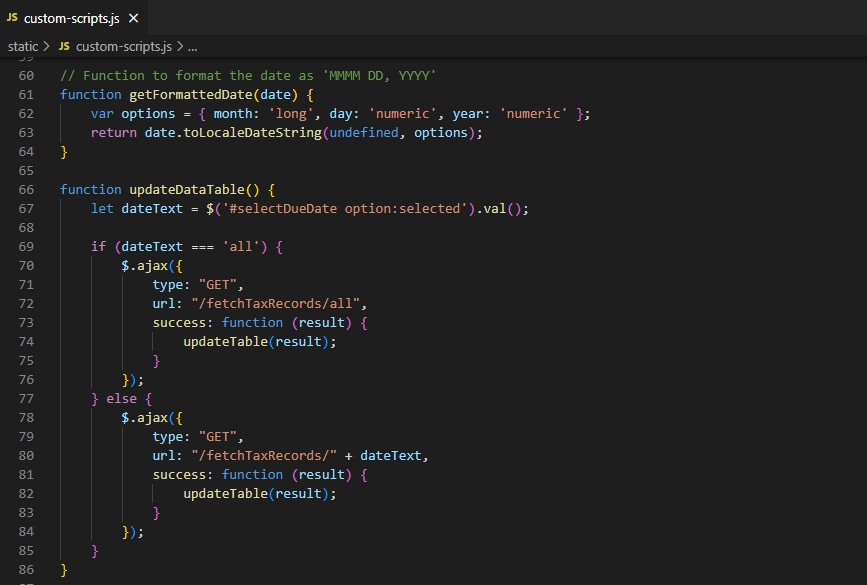


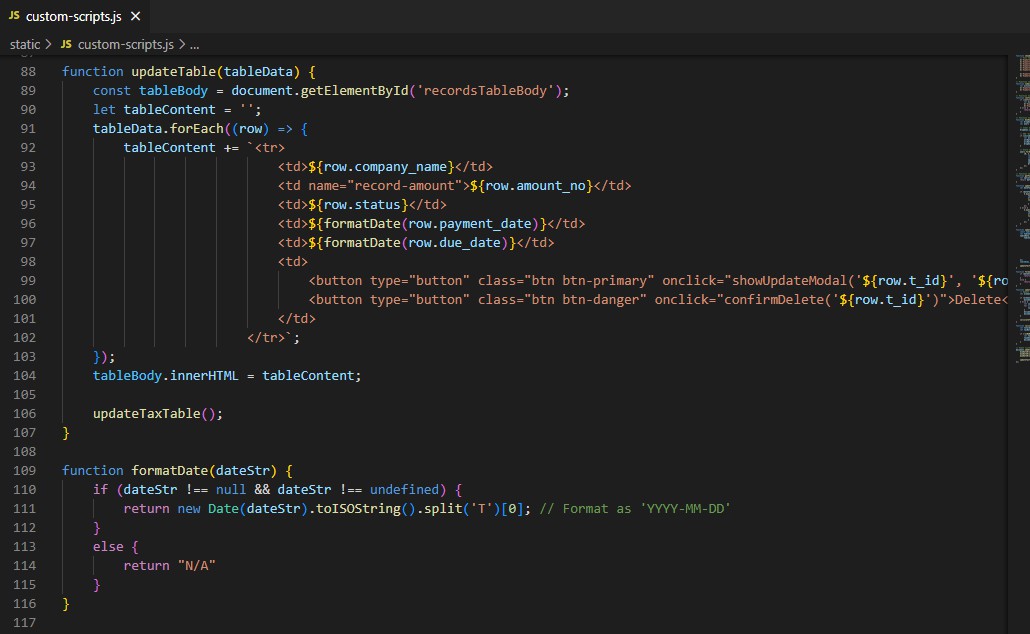


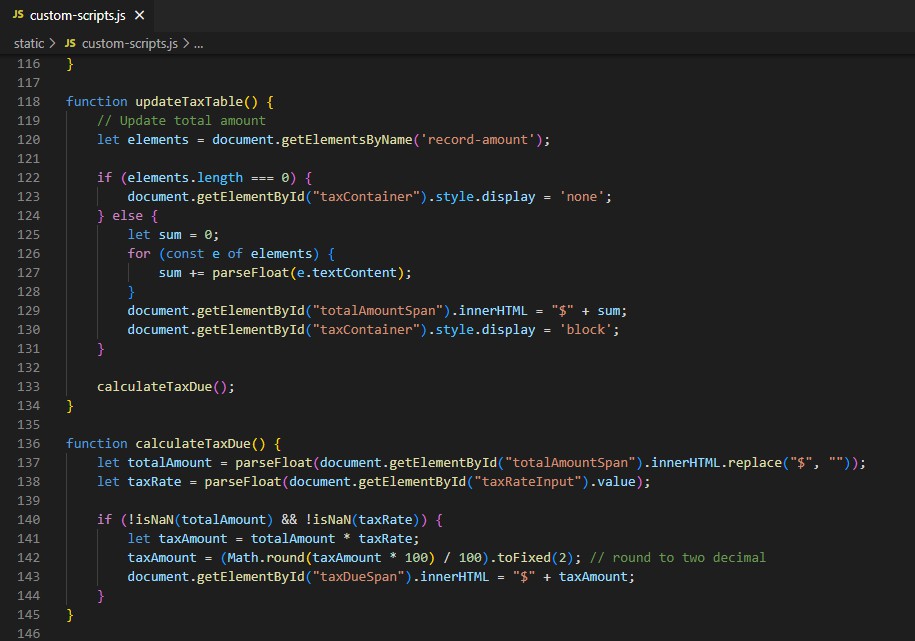


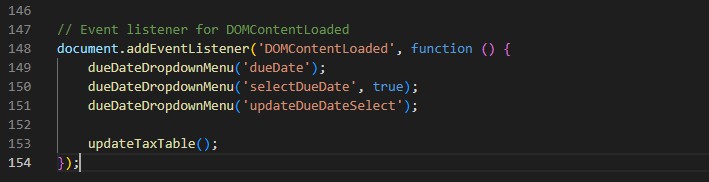
**custom-scripts.js**



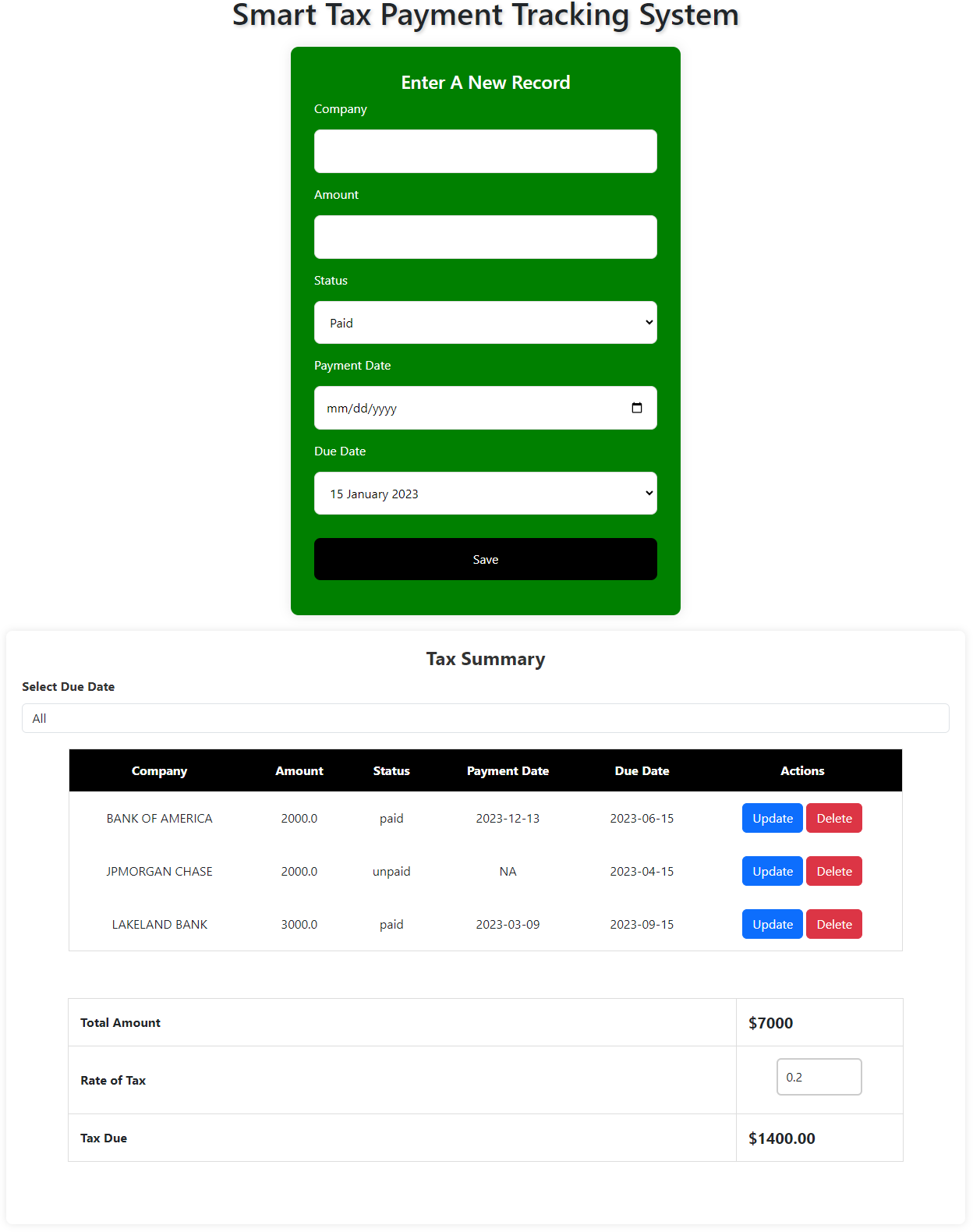




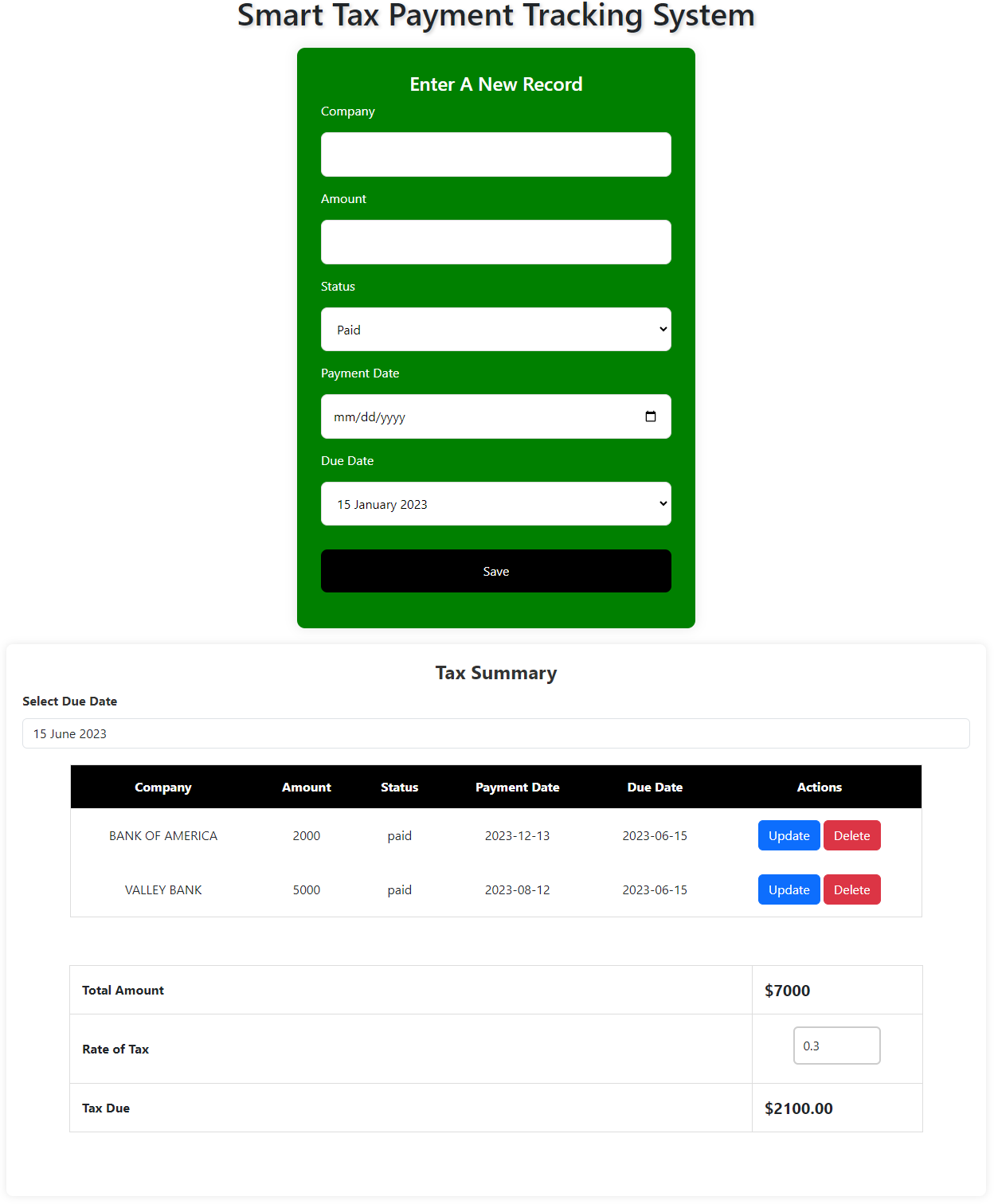




**Screenshot of Project:**



**For any specific due date:**



**GitHub Repository:**