**Overview**

This project is about building a purchase order application. The process is as follows:

1. First you have to log in.
2. Then the user is given 2 choices, either to create a new purchase order or edit an existing purchase order.
3. Then accordingly the user choose one of them and performs that activity.

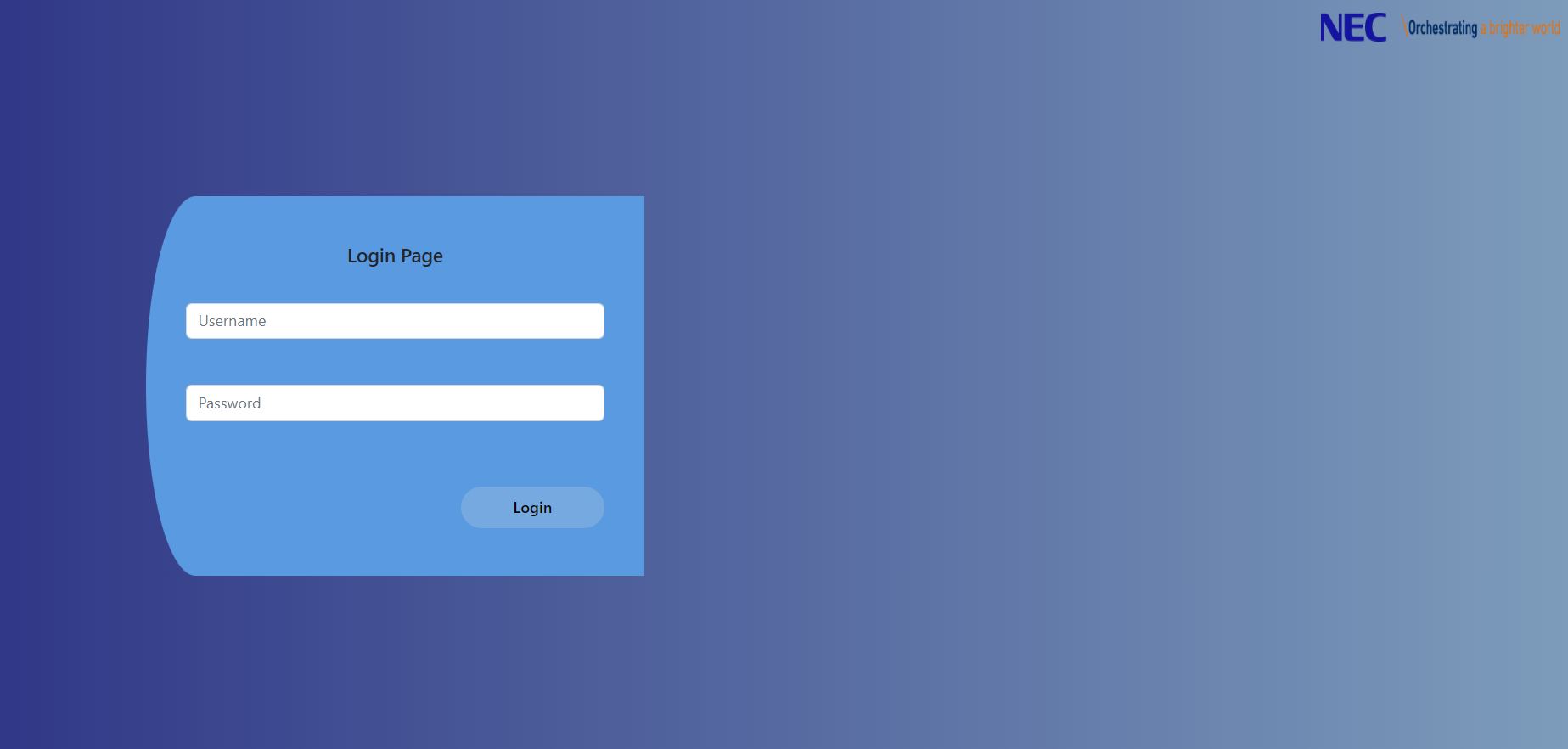
**Framework & Technology**

The framework used here is flask that acts as local server and runs python. Also, in combination to that I have used HTML, CSS to build the front-end UI. For the functioning of the webpage I have used JavaScript along with AJAX to run python scripts and communicate with the server. For performing various operations like adding a row or deleting a row, jQuery is used. For storage of data I am using MySQL database.

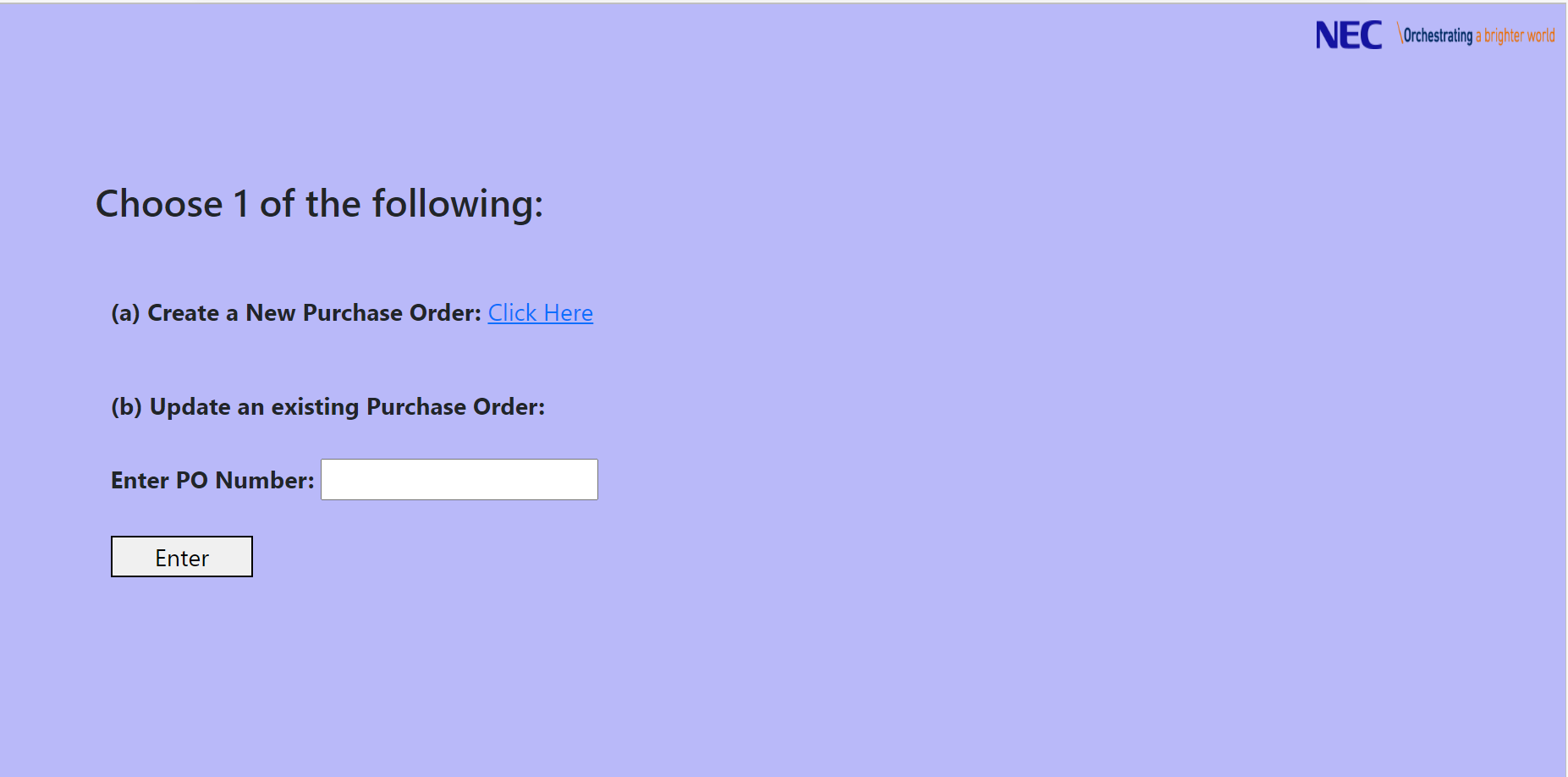
**UI Design**

The UI design is fairly simple and can be seen below

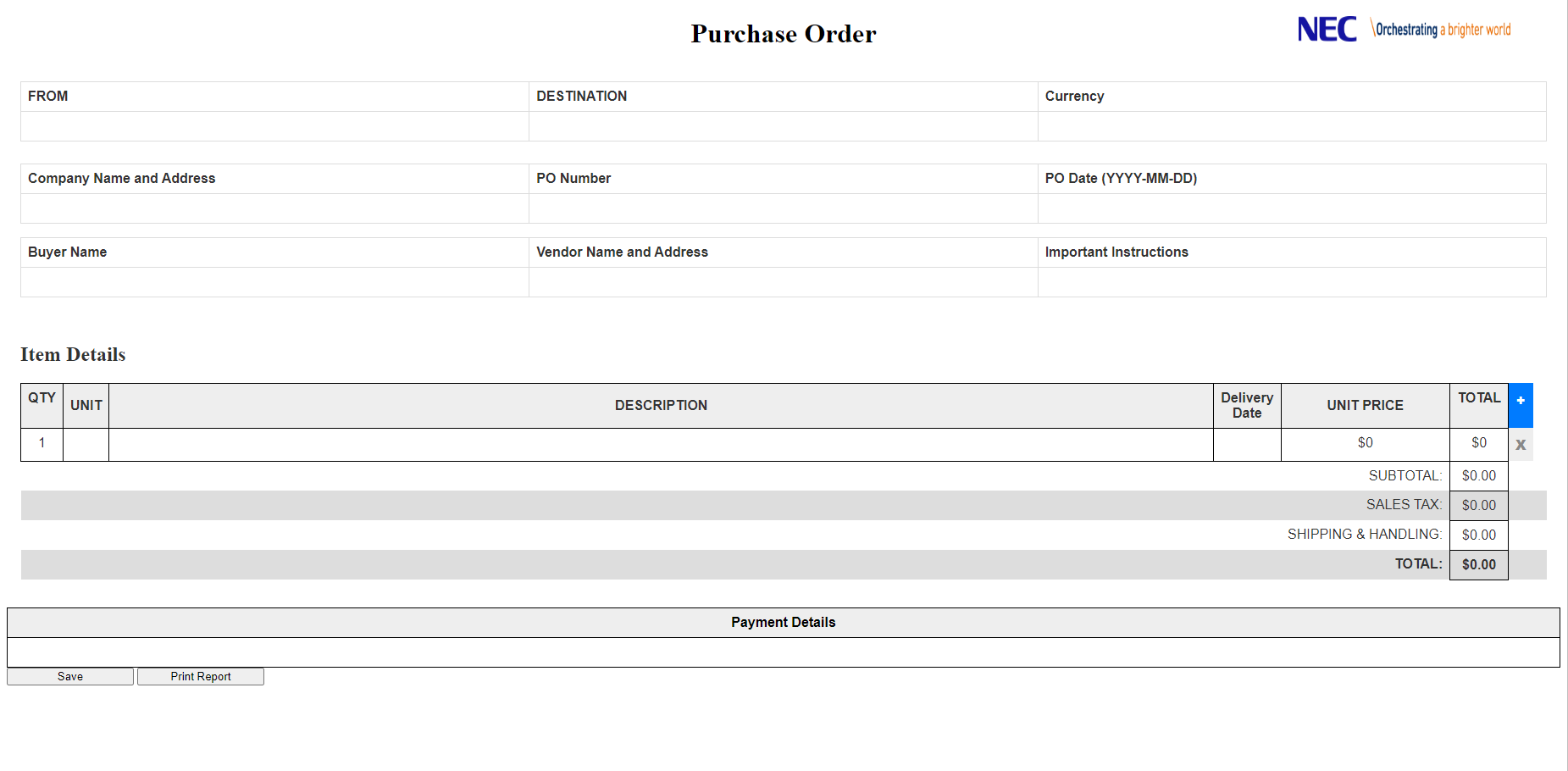
Login Page User Interface



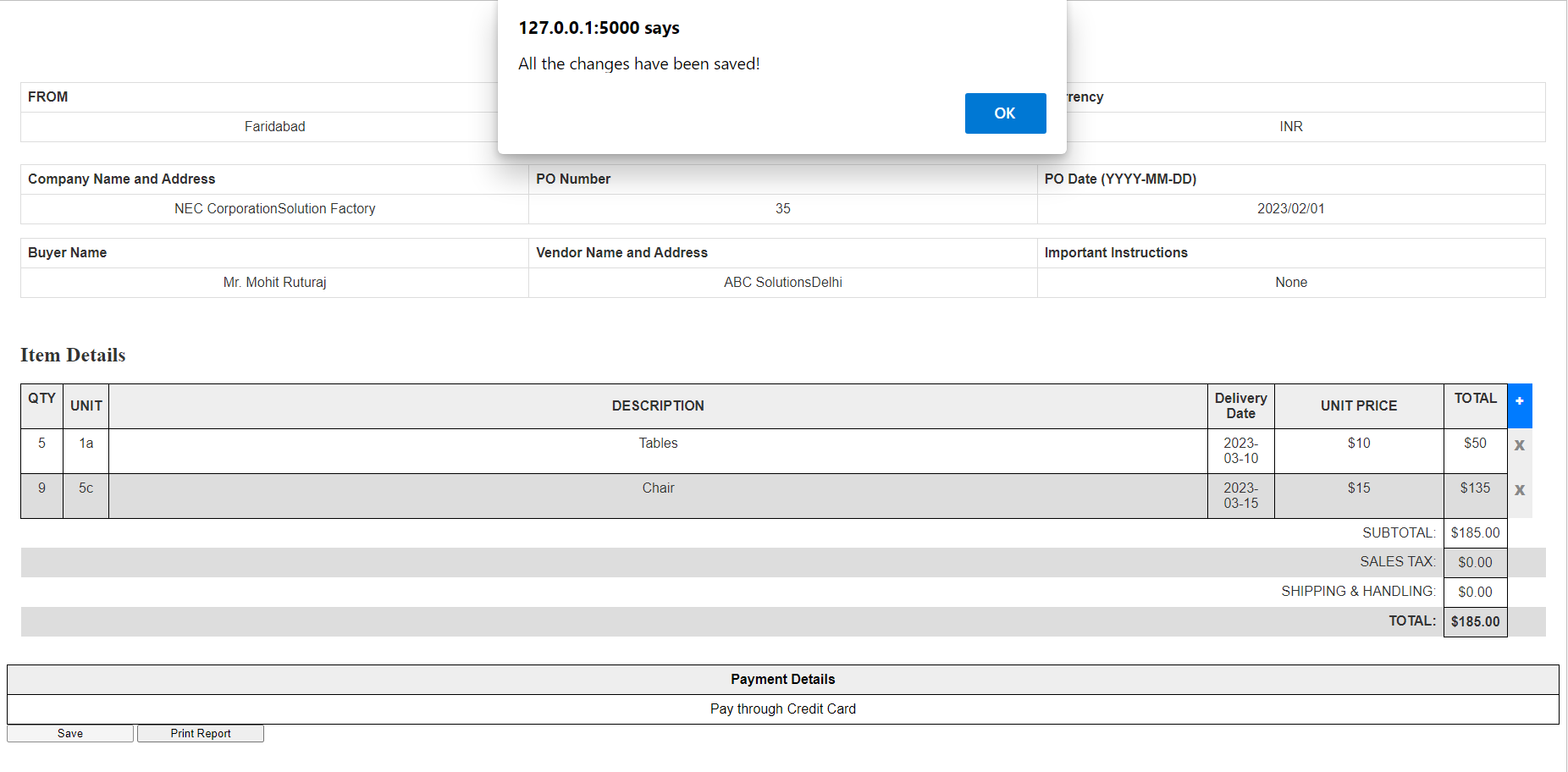
Create New Purchase Order or Edit an existing one



Create a new Purchase Order

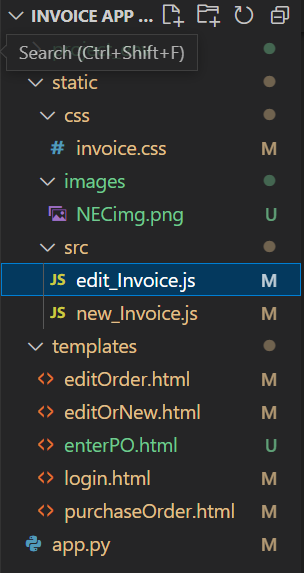


Filling entries and saving the purchase order using **Save** button and for taking a pdf copy use **Print Report** button.



**Code Segments**

The following is the structure of the entire project



1. Static folder contains three folders that are css(invoice.css that is used for styling), images(contains NEC logo) and src(which contains two javascript files that are edit\_Invoice.js which is used to edit purchase order, new\_Invoice.js which is used to create a new purchase order).
2. templates folder contains five html files that are editOrder.html, editOrNew.html, enterPO.html, login.html, purchcaseOrder.html.
3. app.py is the python file that runs the flask local server as well have perform all database operations.

**Description of Code Segments**

1. **app.py** – used to run flask web server and also used to connect to database. This file has functions like insertOrder(), editOrNew(), executeQuery() and many more which perform several database operations and redirect to another web page. It also runs HTML files using render\_template.
2. **login.html –** Its an HTML file for creating a login page.
3. **editOrNew.html –** Its an HTML file for choosing either of the options.
4. **purchaseOrder.html –** Its an HTML file for creating a new purchase order page.
5. **editOrder.html –** It’s an HTML file for editing an existing purchase order.
6. **invoice.css –** It is used for styling various webpages.
7. **edit\_Invoice.js –** It’s the JS file for editing.
8. **new\_Invoice.js –** It’s the JS file for creating a new PO.

**Summary**

I have successfully made Purchase Order Application.