**Customer Sign-up Page:**

**Client Side:**

The customer sign-up field has five fields for form submission. On the client side, the user will submit their first name, last name, email, password, and then a password confirmation. Upon clicking the submit button, the client will then send these form submissions as a request to the server.

**Server Side:**

The server will receive the request made by the client. The server will check if the email address is in the database. If the email address, is already in the database, the server will send the sign-up page back to the client, with a message informing the user that an account has already been created with that email address. If the email address is not in the database, then the database will create a Customer ID for the account and store the rest of the user’s details. The server will then send back a dashboard page to the client, to confirm to the user that their account has been created.

**Customer Log-in Field**

**Client Side:**

The customer log-in field has two fields for form submission. On the client side, the user submits their email address and password. Upon clicking the submit button, the client then sends the forms as a request to the server.

**Server Side:**

The server receives the request made by the client. The server will check if the email address is in the database. If the email address is in the database, the server will send back a customer dashboard page to the client, to confirm to the user that the account login was successful. If the email address is not in the database, the server will send back a log-in page to the client, with an error message informing the user that an account hasn’t been registered with that email address.

The server will then check if the password matches the email address in the database. If the password matches the email address in the database. Then the server will send back the customer dashboard page to the client, to confirm to the user that the account login was successful. If the password does not match the email address in the database, then the server will send back the login page to the client, with an error message informing the user that the password they entered is wrong.