1. Purpose of the `◇ Untitled-2` File

- **Purpose:**
  - This file serves as the **Login Page** for the "Burger Queen" website.
  - It allows users to sign in to their accounts, recover their passwords, or log in using Facebook.
  - It also provides a link for users to sign up if they don't have an account.

2. Key Sections of the Code

HTML Boilerplate

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <link rel="stylesheet" href="Interface.css">
    <link href="https://fonts.googleapis.com/css2?family=Birthstone&display=swap" rel="stylesheet">
    <title>Burger Queen</title>
</head>
<body>
```

- **Definition:**
  - The boilerplate is the basic structure of an HTML document.
  - It includes the `<!DOCTYPE html>` declaration, `<html>` tag, `<head>` section, and `<body>` section.
- **Functions:**
  - `<!DOCTYPE html>`: Declares the document as HTML5.
  - `<html>`: The root element that contains all the content of the webpage.
  - `<head>`: Contains metadata, links to stylesheets, and the page title.
  - `<body>`: Contains the visible content of the webpage.

Navigation Bar

```html
<ul>
    <li id="login"><a href="Login.html">Login</a></li>
    <li><a href="Signup.html">Sign Up</a></li>
    <li><a href="Menu.html">Menu</a></li>
    <li><a href="Home.html">Home</a></li>
    <li><a id="logo"><img src="PICS/Burger Queen.png"></a></li>
</ul>
```

- **Definition:**
  - The navigation bar is a list of links that allows users to navigate between different pages of the website.
- **Functions:**
  - `<ul>`: Creates an unordered list.
  - `<li>`: Defines each list item.
  - `<a>`: Creates hyperlinks to other pages (e.g., `Login.html`, `Signup.html`).
  - `<img>`: Displays the logo image.

Login Form

```html
<div class="login-container">
    <form>
        <p>Sign in to your account</p>

        <div class="login-containers">
          <label for="lname"></label>
          <input type="text" id="lname" name="lastname" placeholder="Email"></div>

        <div class="login-containers">
          <label for="lname"></label>
          <input type="text" id="lname" name="lastname" placeholder="Password"></div>

        <div class="login-containers">
          <a href="Test.html"><p style="margin: 30px;">Forgot your password?</p></a>
          <button type="button" onclick="location.href='Test.html'">Login</button>
        </div>
```

- **Definition**:
  - The login form allows users to input their email and password to sign in.
- **Functions**:
  - `<form>` : Groups the input fields and buttons for the login functionality.
  - `<input>` : Creates text fields for the user to enter their email and password.
    - `type="text"` : Specifies a text input field.
    - `placeholder` : Displays a hint inside the input field (e.g., "Email").
  - `<button>` : Creates a button for the login action.
    - `onclick` : Redirects the user to another page when the button is clicked.

Forgot Password and Facebook Login

```html
<div class="login-containers">
    <a href="Test.html"><p style="margin: 30px;">Forgot your password?</p></a>
    <button type="button" onclick="location.href='Test.html'">Login</button>
</div>

<placeholder>OR</placeholder>

<div class="login-containers">
    <button type="button" onclick="location.href='https://Facebook.com/'">Login with Facebook</button></
```

- **Definition**:
  - This section provides additional login options, such as password recovery and Facebook login.
- **Functions**:
  - **Forgot Password**:
    - `<a>` : Links to the password recovery page (`Test.html`).
    - `<p>` : Displays the "Forgot your password?" text.
  - **Facebook Login**:
    - `<button>` : Redirects the user to Facebook for login.

Sign-Up Link

```html
<p>Order fast and easy with Burger Queen.</p>
<a href="Signup.html">Sign up here</a>
```

- **Definition**:
  - This section provides a link for users to sign up if they don't have an account.
- **Functions**:
  - `<p>` : Displays a message encouraging users to sign up.
  - `<a>` : Links to the sign-up page (`Signup.html`).

```html
<footer class="footer">
    <p>&copy; 2025 Burger Queen All Rights Reserved.</p>
</footer>
```

- **Definition**:
  - The footer is the section at the bottom of the page that provides copyright information.
- **Functions**:
  - `<footer>` : Defines the footer section.
  - `<p>` : Displays the copyright text.

3. Key HTML Elements and Their Functions

1. `<html>` : The root element of the HTML document.
2. `<head>` : Contains metadata and links to external resources (e.g., CSS files).
3. `<body>` : Contains the visible content of the webpage.
4. `<ul>` and `<li>` : Create a navigation bar with links to other pages.
5. `<form>` : Groups input fields and buttons for user interaction.
6. `<input>` : Creates input fields for text, passwords, etc.
7. `<button>` : Creates clickable buttons for actions like login.
8. `<a>` : Creates hyperlinks to other pages or external websites.
9. `<footer>` : Defines the footer section of the webpage.

1. **What is the purpose of this HTML file?**
   - *Answer*: "This file serves as the login page for the 'Burger Queen' website, allowing users to sign in, recover their passwords, or log in using Facebook."
2. **How does this page ensure accessibility?**
   - *Answer*: "The page uses placeholders in input fields to guide users and provides descriptive links for navigation."
3. **What happens if the linked CSS file (`Interface.css`) is missing?**
   - *Answer*: "If the CSS file is missing, the page will display without styling, appearing as plain HTML."

Navigation Bar Questions

4. **What is the purpose of the navigation bar?**
   - *Answer*: "The navigation bar provides links to other pages, such as Login, Sign Up, Menu, and Home, allowing users to navigate the website easily."
5. **Why is the logo included in the navigation bar?**
   - *Answer*: "The logo serves as a branding element, making the website recognizable and professional."

Login Form Questions

6. **What is the purpose of the `placeholder` attribute in the input fields?**
   - *Answer*: "The `placeholder` attribute provides a hint to the user about what to enter in the input field, such as 'Email' or 'Password'."
7. **Why did you use a `<button>` instead of a `<submit>` button?**
   - *Answer*: "The `<button>` element is used here to allow custom actions, such as redirecting to another page using the `onclick` attribute."
8. **What happens if the user enters incorrect login details?**
   - *Answer*: "Currently, the page does not validate the input. Validation can be added using JavaScript or server-side logic."

Forgot Password and Facebook Login Questions

9. **What is the purpose of the 'Forgot your password?' link?**
   - *Answer*: "It redirects users to a password recovery page where they can reset their password."
10. **How does the Facebook login button work?**
    - *Answer*: "The button redirects users to Facebook's login page using the `onclick` attribute."

Sign-Up Link Questions

11. **What is the purpose of the 'Sign up here' link?**
    - *Answer*: "It redirects users to the sign-up page where they can create a new account."

Footer Questions

12. **What is the purpose of the footer?**
    - *Answer*: "The footer displays copyright information, ensuring the website complies with intellectual property laws and looks professional."