Exercise 2.6: User Authentication in Django

Learning Goals

- Create authentication for your web application
- Use GET and POST methods
- Password protect your web application's views

Reflection Questions

1. *In your own words, write down the importance of incorporating authentication into an application. You can take an example application to explain your answer.*

Authentication is important in an application because it ensures that only authorized individuals can access sensitive information and resources, keeping user data secure and maintaining trust.

2. *In your own words, explain the steps you should take to create a login for your Django web application.*

To create a login for your Django web application, follow these steps:
   1. Create a login view that handles authentication.
   2. Design a login template with input fields for username and password.
   3. Validate user credentials in the login view.
   4. Define URLs for login, logout, and other authentication views.
   5. Protect specific views with the @login_required decorator.
   6. Implement a logout view to log out authenticated users.

3. *Look up the following three Django functions on Django's official documentation and/or other trusted sources and write a brief description of each.*

Function	Description
authenticate()	Check if a user's provided credentials are correct and return the user's information if they are.
redirect()	Redirects the user to a different URL or page.
include()	Includes URL patterns from other modules

| | or apps into the current URL configuration. |