Exercise 2.6: User Authentication in Django

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.**

It is importance to incorporate authentication into an application because it verifies the identity of the user, protects the privacy of users and ensures data security. Without authentication, web applications are subject to potential threats or breaches. This is important to avoid as user information can be taken and be misused.

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

The step you should take to create a login for a Django web application are:

1. Create the login view and create a function based view
2. Create a HTML template of the login (what the users will see when they try and login)
3. Register the URL to the main projects urls.py folder

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()	- Important part of login process - credentials as parameters (e.g username and password) - valid login returns user object - invalid login returns None
redirect()	- returns an HTTP response to specific URL - Can take a URL, model or view name - Commonly used after sending user to new page or after submitting a form
include()	- Is used for URL handling - Allows developers to reference other URLconfs (to include URL configurations) - Suitable for larger projects