

## Learning Journal 2.6

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 vital for user identification, data security, personalized experiences, authorization control, accountability, and maintaining the overall integrity of an application. It ensures that the right users have access to the right resources while protecting sensitive information and enhancing user 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 a Django web application, you can follow these steps: Set Up User Authentication, Create User Model, Define Login and Logout Views, Create Login Form, Connect URLs and Views, Create Login Template, Protect Authorized Pages, Test and Debug.

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() | A built-in Django function used for authenticating a user's credentials. This function is often used in conjunction with the login process to validate user credentials before granting access to protected areas of the application.                                                |
| redirect()     | A utility function provided by Django for performing HTTP redirects. It takes a parameter `to` which specifies the target URL or the name of a view to which the user should be redirected.                                                                                          |
| include()      | Allows you to include the URL patterns from other apps or even other URL configuration files, making it easier to manage and maintain complex URL structures in your Django project. It promotes code reusability and helps in keeping the URL configuration organized and readable. |