

CW23: Design Patterns

1. Decorator Pattern

1.1. Implement a decorator class called `AuthenticationDecorator` that adds authentication functionality to a web API endpoint.

1.1.1. The decorator should authenticate the user before allowing access to the endpoint.

1.1.2. You can simulate authentication by checking if a token is present in the request headers.

1.2. Write a sample Django view function and apply the `AuthenticationDecorator` to it. Test the endpoint by making requests with and without a valid authentication token.