Understanding Django Email Backend Authentication

In Django, the authentication backend can be customized so users log in with their email instead of username.

- 1. from django.contrib.auth.backends import ModelBackend
- Imports Django's default authentication system that we are extending.
- 2. from django.contrib.auth import get_user_model
- Dynamically retrieves the active User model (e.g., CustomUser).
- 3. class EmailBackend(ModelBackend):
- Creates our custom backend that overrides authenticate().
- 4. def authenticate(..., username=None, password=None, **kwargs):
- Django always passes the login identifier into the 'username' argument, even if we call it "Email" on the form.
- 5. UserModel = get_user_model()
- Stores your User model so queries can be made against it.
- 6. user = UserModel.objects.get(email=username)
- Tries to fetch the user whose email field matches what the user typed into the login form.
- Even though the variable is called 'username', we are treating it as an email here.
- except UserModel.DoesNotExist:
- If no user with that email exists, return None (login fails).