How do you plan on deploying this to the production environment?

To deploy this to production environment we can use Aws EC2 or Hiroku or Microsoft Azure. Configure **Gunicorn** to serve the Django application, and set up **Nginx** as a reverse proxy for better performance and security. For file uploads and storage, we can utilize services like **AWS S3 bucket** or **Google Cloud Storage**, while storing only the metadata in the database for efficient management. Some of the steps for security and optimization are

Setting DEBUG=False in the Django settings and restrict **ALLOWED\_HOSTS** to our secured domains.

Use HTTPS to encrypt all communications between the client and server.