Django Cheatsheet

Django Commands

- **django-admin startproject <project_name>**: creates a new Django project.
- **python manage.py startapp <app_name>**: creates a new Django app within a project.
- **python manage.py makemigrations**: creates new database migrations based on changes to models.
- **python manage.py migrate**: applies any pending database migrations.
- **python manage.py runserver**: starts the Django development server.
- **python manage.py createsuperuser**: creates a new superuser for the Django admin.
- **python manage.py shell**: opens a Python shell with the Django environment loaded.
- **python manage.py test**: runs tests for your Django app.

Django Concepts

- **Models**: Django's object-relational mapper (ORM) for defining database tables and relationships.
- **Views**: functions or classes that handle HTTP requests and generate HTTP responses.
- **Templates**: HTML files with embedded Django template tags for rendering dynamic content.
- **URLs**: maps URLs to views within a Django app.
- **Forms**: used to handle user input and validation.
- **Admin**: Django's built-in admin interface for managing app data.
- **Middleware**: a way to process requests and responses at a higher level than views.
- **Authentication**: built-in user authentication and authorization functionality in Django.