

Django - Interview Sheet

MTV architecture, ORM, views, authentication, and testing

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Top 10 Interview Questions

Q1. Explain Django's MTV (ModelTemplateView) architecture and how it maps to the traditional MVC pattern.

Answer:

Q2. How does the Django ORM work? Explain model fields, migrations, and how to run db migrations.

Answer:

Q3. What is the difference between Function-Based Views (FBVs) and Class-Based Views (CBVs) in Django?

Answer:

Q4. Explain Django's URL routing: how urlpatterns, path converters, and include() work together.

Answer:

Q5. What is Django REST Framework (DRF)? How do serializers and ViewSets simplify API development?

Answer:

Q6. How does Django's authentication system handle user sessions, permissions, and groups?

Answer:

Q7. What is Django middleware and how does request/response processing flow through the middleware stack?

Answer:

Q8. Explain Django's template engine: template inheritance, blocks, and context processors.

Answer:

Q9. How do you configure caching in Django? Name three supported cache backends and how cache_page works.

Answer:

Q10. How do you write unit and integration tests in Django using TestCase, Client, and APIClient?

Answer: