

Adhering to

Best Practices

In Django Development

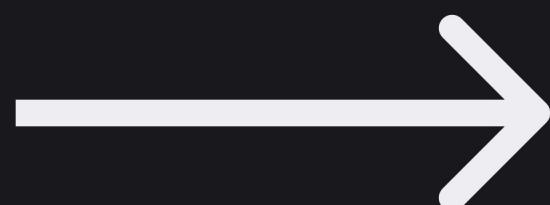
Part - I

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Adhering to best practices in Django development ensures Maintainability, Scalability, and Overall code quality.

Here are some Django best practices:



1. Follow the DRY Principle (Don't Repeat Yourself):

Avoid duplicating code. If you find yourself repeating similar code in different places, consider refactoring it into reusable functions, classes, or mixins.

2. Use Django's ORM Efficiently:

Leverage Django's Object-Relational Mapping (ORM) to interact with the database. Use model relationships, queries, and managers effectively.

3. Follow the "“Fat Model, Thin View” Principle:

Keep business logic in models rather than views. Views should focus on handling HTTP requests and responses, while models handle data-related operations.

4. Separate Settings for Development and Production:

Maintain separate settings files for development and production environments. Use environment variables or configuration files to manage sensitive information like database credentials.

5. Use Django's Built-in Features:

Explore and use Django's built-in features, such as the admin interface, authentication system, middleware, and forms, to reduce development time and ensure consistency.

6. Optimize Database Queries:

Be mindful of database queries.

Use Django's queryset

optimizations, indexes, and the

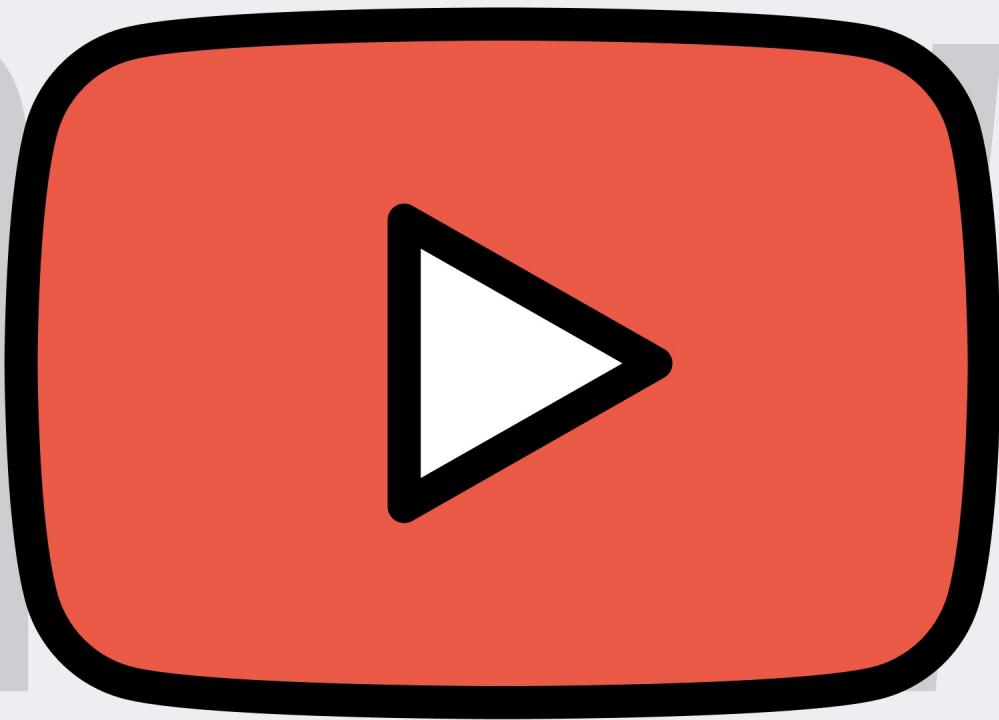
select_related and

prefetch_related methods to

minimize database hits.

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