

with the database. - Django's ORM (Object-Relational Mapping) translates these model classes into database tables. - ** View (Y) **. - Views are responsible for processing user requests and returning appropriate responses. - In Django, views are Python functions or classes that handle # TTP requests. - They interact with models to retrieve or manipulate data and render templates to generate HAML responses. - Views encapsulate business logic and control the flow of information between the model and the template. - ** Template (M)**.

- Templates are used to generate dynamic HTML content based on data provided by views.

- In Django, templates are written in HML with embedded template tags and filters.

- They allow developers to separate the presentation layer from the application - Templates support inheritance, inclusion, and other features to promote code reuse and maintainability. **Practice:** 1. ** Define Models**: - Create Python classes in the models.py file, representing the data entities of the application. - Define attributes and methods to represent the structure and behavior of each model. - Use Django's ORM to specify relationships between models and map them to database tables. 2 ** Write Views**: - Define view functions or classes in the views.py File to handle different HTTP reguests. - Implement business logic to process

data and generate responses. - Utilize Django's class-based views or function-based views depending on the complexity of the application. 3. ** Create Templates**: - Design HMML templates in the templates directory to define the presentation layer. - Use template tags and filters to dynamically render data from views. -Organize templates into reusable components and extend base templates to maintain consistency across the application. 4. ** Wire URLs **: - Define URL patterns in the corresponding view functions or classes. - Use Django's URL dispatcher to route requests to the appropriate views based on URL patterns. 5. ** Nesting and Debugging **:

- Mest views and templates using Django's testing framework to ensure functionality and correctness.

- Debug issues by inspecting error messages, logging, and using Django's debugging tools.

** Know More (FAQs):**

- **Q: Can we use other template engines instead of Django's default template engine? **

- Yes, Django allows using alternative template engines like vinja2 by configuring the SEMPLANES settings by file.

- **Q: How does Django handle authentication and authorization within the MM architecture? **

- Django provides built-in authentication and authorization mechanisms that can be integrated into views to enforce access control and user authentication.

