

DJANGO

Class Based Generic Views

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Class Based Generic Views

- Class Based Generic Views are advanced set of Built-in views which are used for implementation of selective view strategies such as Create, Retrieve, Update, Delete.
- Class based views simplify the use by separating GET, POST requests for a view.
- They do not replace function-based views, but have certain differences and advantages when compared to function-based views
 - ❖ Organization of code related to specific HTTP methods (GET, POST, etc.) can be addressed by separate methods instead of conditional branching.
 - ❖ Object oriented techniques such as mixins (multiple inheritance) can be used to factor code into reusable components.

Create View

- Create View refers to a view (logic) to create an instance of a table in the database.
- Class Based Views automatically setup everything from A to Z. One just needs to specify which model to create Create View for and the fields.
- Then Class based CreateView will automatically try to find a template in `templates/appname/modelname_form.html`

List View

- List View refers to a view (logic) to display multiple instances of a table in the database
- Class Based Views automatically setup everything from A to Z. One just needs to specify which model to create ListView for, then Class based ListView will automatically try to find a template in `templates/app_name/modelname_list.html`

Detail View

- Detail View refers to a view (logic) to display one instances of a table in the database
- Class Based Views automatically setup everything from A to Z. One just needs to specify which model to create DetailView for, then Class based DetailView will automatically try to find a template in `templates/app_name/modelname_detail.html`

Update View

- UpdateView refers to a view (logic) to update a particular instance of a table from the database with some extra details
- Class Based Views automatically setup everything from A to Z. One just needs to specify which model to create UpdateView for, then Class based UpdateView will automatically try to find a template in `templates/appname/modelname_form.html`

Delete View

- Delete View refers to a view (logic) to delete a particular instance of a table from the database. It is used to delete entries in the database



Thank You

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