
Flask-DJ

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Flask-DJ: Since the flask has no strict architecture,
it's easy to get confused when creating a project.
This library was created to help everyone who wants to
create a project with mvc structure.

INSTALL PACKAGE:

```
$ pip install Flask-DJ
```


FULL DOCS:

2.1 Hello world example:

2.1.1 Creating a project

```
$ flask-dj startproject app
```

If your project need templates and static files

```
$ flask-dj startproject app -t -st
```

or

```
$ flask-dj startproject app --templates --static
```

If something went wrong

```
# setup.py
from flask_dj import startproject
from os import getcwd
your_project_name = 'app'
project_dir = getcwd()
startproject(your_project_name, project_dir)
# if your project need templates and static files:
# ProjectConstructor(your_project_name, project_dir, need_templates=True, need_
↪static=True).startproject()
```

This will create a app directory in your project_dir with the following contents:

```
app/
  app/
    __init__.py
    config.py
    urls.py
    manage.py
```

2.1.2 Creating the index app

```
$ python manage.py startapp index
```

That'll create a directory index, is shown below:

```
app/  
  app/  
    __init__.py  
    config.py  
    urls.py  
  index/  
    forms.py  
    models.py  
    urls.py  
    views.py  
  manage.py
```

2.1.3 Create view function

```
# index/views.py  
def index():  
    return "Hello world"
```

2.1.4 Add start url

Add to index application:

```
# index/urls.py  
from utils.urls import relative_path  
from .views import index  
  
urlpatterns = [  
    relative_path("", index),  
]
```

Add to main application:

```
# app/urls.py  
from utils.urls import add_relative_path, include  
  
urlpatterns = [  
    add_relative_path("/", include("index.urls")),  
]
```

2.1.5 Run project

```
$ python manage.py runserver
```

2.2 All methods:

2.2.1 App Init:

db_init

Create session factory. Use before creating the first session

create_session

Session maker. Before first use run db_init

add_urls

Add project urls

2.2.2 Manage:

startapp {name}

Flags: -t (--templates) create app folder in templates -st (--static) create app folder in static

Creates a folder {name} with forms, models, urls, views .py files

runserver

Runs your project

db {method}

[Full db documentation.](#)

init

Initializes database, should be runed before the first migration

migrate

Models migration.

Put all models in the models list before you start.

```
# {project}/config.py
# add your file containing models
models = [

]
...
```

upgrade

Upgrades your database

downgrade

Rollback to a previous migration

add custom methods

Full flask-manager docs.

```
# manage.py
... manage.py default code
@manager.manager.command
def my_command(params):
    pass
```

2.2.3 Path:

relative_path

Brings the data to the format you need for the include

Should be used in the applications

add_relative_path

Activates URLs from applications

Use it in {project_name}/urls.py only

include

Includes your application URLs

add_absolute_path

Activates URLs directly

When using add to

```
# {project_name}/config.py
... Some code
# Special urlpatterns
urlpatterns = [
    '{project_name}.urls',
]
... Some code
```

This path is undesirable to use