

1. VIEWS

FILE: views.py

Location: (~/web_interface/)

Optionally consider logging the software events by including the following:

`import logging`

`log = logging.getLogger(__name__)`

Class:	DefaultView(TemplateView)
Import requirements:	from django.views.generic import TemplateView
Used In:	HomeView class
Purpose:	<i>To create a default view of all web pages.</i>
Definitions/nested classes	<i>get()</i> → short description to be added
	<i>dispatch()</i> → short description to be added

Class:	HomeView(DefaultView)
Import requirements:	DefaultView class
Used In:	-
Purpose:	<i>Homepage view</i>
Definitions/nested classes	-

Class:	LandingView(RedirectView)
Import requirements:	from django.views.generic import RedirectView
Used In:	-
Purpose:	<i>To load the view after log in to user account.</i>
Definitions/nested classes	<i>get_redirect_url()</i> → redirecting to the url pages based on if the user is logged in or out.

Class:	
Import requirements:	
Used In:	
Purpose:	
Definitions/nested classes	

2. Account Views

FILE: account_viewsN.py

Location: (~/web_interface/account/)

Optionally consider logging the software events by including the following:

import logging

log = logging.getLogger(__name__)

Class:	AccountRegisterForm(UserCreationForm)
Import requirements:	from django.contrib.auth.forms import UserCreationForm from django import forms from web_interface.account import user_countries from django.contrib.auth.models import User from django.urls import reverse_lazy
Used In:	AccountRegisterView class
Purpose:	<i>This class defines the user registration form.</i>
Definitions/nested classes	<code>__init__()</code> → initialization and calling terms page.
	<i>Class Meta</i> → to access and override the contents of inner class fields.

Class:	AccountRegisterView(FormView)
Import requirements:	from django.views.generic import FormView from django.urls import reverse_lazy from cloud_copasi import settings AccountRegisterForm class
Used In:	-
Purpose:	<i>Used to create a view for the registration page.</i>
Definitions/nested classes	<code>get_context_data()</code> → built-in django method to merge all the context data of parent classes with those of the current class. It is used for injecting data
	<code>dispatch()</code> → looks at the request to determine whether it is a GET, POST, etc, and relays the request to a matching method if one is defined, or raises <code>HttpResponseNotAllowed</code> if not
	<code>form_valid()</code> → This method is called when valid form data has been POSTed

Class:	
Import requirements:	
Used In:	
Purpose:	
Definitions/nested classes	

3. CSS

FILE: baseN.css

Location: (~/html5up/css/)

Name:	header
Type:	Built-in HTML Tag
Used In:	baseN.html
Purpose:	<i>It encloses the navigation bar and keep its position to remain on top of all other components while scrolling down the page.</i>

Name:	navbar-light
Type:	Class
Used In:	baseN.html
Purpose:	<i>This is a Bootstrap class of navigation bar. It defines the styling of navigation bar. It requires Bootstrap to be included in the head of html file.</i>

Name:	container
Type:	Class
Used In:	baseN.html
Purpose:	<i>This is a Bootstrap class to keep the data at the center of page. The minimum width of the content size is set to 69em (em refers to the CSS unit. 69em means means 69 times the current value). It requires Bootstrap to be included in the head of html file.</i>

Name:	banner
Type:	ID
Used In:	homeN.html
Purpose:	<i>It includes styling of the banner image (cloud image) display on the homeN.html page. The image is retrieved from ~/html5up/static/images/ directory. Styling for h1 and h3 are done separately.</i>

Name:	features
Type:	Class
Used In:	homeN.html
Purpose:	<i>This block includes the styling of three main features mentioned at the home page, between the cloud copasi banner and the description.</i>

Name:	description
Type:	Class
Used In:	homeN.html
Purpose:	<i>This block includes the styling of cloud copasi description mentioned at the homepage.</i>

Name:	footer
Type:	Class
Used In:	baseN.html
Purpose:	<i>This block includes the styling of footer at the bottom of page. Footer appears on all of html pages.</i>

Name:	
Type:	
Used In:	
Purpose:	