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# OST Documentation

*Release 1*

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## 1.1 hello.forms

django form layouts for models

### Classes

```
class hello.forms.AnswerForm(data=None, files=None, auto_id=u'id_%s', prefix=None, initial=None, error_class=<class 'django.forms.util.ErrorList'>, label_suffix=None, empty_permitted=False, instance=None)
```

```
    class Meta
```

```
        fields = ('text',)
```

```
        model
```

```
            alias of Answer
```

```
    AnswerForm.base_fields = {'text': <django.forms.fields.CharField object at 0x7ffb18b19dd0>}
```

```
    AnswerForm.declared_fields = {}
```

```
    AnswerForm.media
```

```
class hello.forms.ImageForm(data=None, files=None, auto_id=u'id_%s', prefix=None, initial=None, error_class=<class 'django.forms.util.ErrorList'>, label_suffix=None, empty_permitted=False, instance=None)
```

```
    class Meta
```

```
        fields = ('file',)
```

```
        model
```

```
            alias of Image
```

```
    ImageForm.base_fields = {'file': <django.forms.fields.FileField object at 0x7ffb18b9a210>}
```

```
    ImageForm.declared_fields = {}
```

```
    ImageForm.media
```

```
class hello.forms.QuestionForm(*args, **kwargs)
```

```
class Meta
```

```
    fields = ('text',)
```

```
    model
```

```
        alias of Question
```

```
    QuestionForm.base_fields = {'text': <django.forms.fields.CharField object at 0x7ffb18b9a450>, 'tags': <django.f
```

```
    QuestionForm.declared_fields = {'tags': <django.forms.fields.CharField object at 0x7ffb18b9a1d0>}
```

```
    QuestionForm.media
```

## 1.2 hello.feeds

django syndication for questions/answer pages

### Classes

```
class hello.feeds.LatestQuestions
```

```
    Feed of questions in reverse time
```

```
    description = 'Latest Questions.'
```

```
    item_description (item)
```

```
    item_link (item)
```

```
    item_title (item)
```

```
    items ()
```

```
        list of objects
```

```
    link = '/all_questions/'
```

```
    title = 'Open Source Tools'
```

```
class hello.feeds.LatestAnswers
```

```
    Feed of answers to a specific question id
```

```
    description = 'Latest Answers.'
```

```
    get_object (request, question_id)
```

```
    item_description (item)
```

```
    item_link (item)
```

```
    item_title (item)
```

```
    items (item)
```

```
    link = '/all_questions/'
```

```
    title = 'Open Source Tools'
```

## 1.3 hello.models

Database models for Questions, Answers, and uploaded Images

## Functions

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`get_upload_file_name(instance, filename)`    create unique image name

---

## Classes

```
class hello.models.Answer (*args, **kwargs)
    Answer(id, text, modtime, createtime, question_id, author_id)

    exception DoesNotExist

    exception Answer.MultipleObjectsReturned

    Answer.author

    Answer.down_votes()

    Answer.get_next_by_createtime(*moreargs, **morekwargs)

    Answer.get_next_by_modtime(*moreargs, **morekwargs)

    Answer.get_previous_by_createtime(*moreargs, **morekwargs)

    Answer.get_previous_by_modtime(*moreargs, **morekwargs)

    Answer.objects = <django.db.models.manager.Manager object at 0x7ffb18bb48d0>

    Answer.question

    Answer.total_votes()

    Answer.up_votes()

    Answer.vote_answer_set

    Answer.vote_rank()
        rank largest difference between up and down

class hello.models.Image (*args, **kwargs)
    Image(id, file)

    exception DoesNotExist

    exception Image.MultipleObjectsReturned

    Image.objects = <django.db.models.manager.Manager object at 0x7ffb18bc0650>

class hello.models.Question (*args, **kwargs)
    Question(id, text, modtime, createtime, author_id)

    exception DoesNotExist

    exception Question.MultipleObjectsReturned

    Question.answer_set

    Question.author

    Question.down_votes()

    Question.get_next_by_createtime(*moreargs, **morekwargs)

    Question.get_next_by_modtime(*moreargs, **morekwargs)

    Question.get_previous_by_createtime(*moreargs, **morekwargs)
```

```
Question.get_previous_by_modtime(*moreargs, **morekwargs)
Question.objects = <django.db.models.manager.Manager object at 0x7ffb18bb42d0>
Question.tags
Question.total_votes()
Question.up_votes()
Question.vote_question_set
Question.vote_rank()
    rank largest difference between up and down
class hello.models.Tag(*args, **kwargs)
    Tag(id, text)

    exception DoesNotExist
    exception Tag.MultipleObjectsReturned
    Tag.objects = <django.db.models.manager.Manager object at 0x7ffb18c277d0>
    Tag.questions

class hello.models.User(*args, **kwargs)
    Users within the Django authentication system are represented by this model.

    Username, password and email are required. Other fields are optional.

    exception DoesNotExist
    exception User.MultipleObjectsReturned
    User.answer_set
    User.get_absolute_url(*moreargs, **morekwargs)
    User.get_next_by_date_joined(*moreargs, **morekwargs)
    User.get_next_by_last_login(*moreargs, **morekwargs)
    User.get_previous_by_date_joined(*moreargs, **morekwargs)
    User.get_previous_by_last_login(*moreargs, **morekwargs)
    User.groups
    User.logentry_set
    User.objects = <django.contrib.auth.models.UserManager object at 0x7ffb18c27250>
    User.question_set
    User.user_permissions
    User.vote_answer_set
    User.vote_question_set

class hello.models.Vote_Answer(*args, **kwargs)
    Vote_Answer(id, value, author_id, answer_id)

    exception DoesNotExist
    exception Vote_Answer.MultipleObjectsReturned
    Vote_Answer.answer
```



```

Vote_Answer.author
Vote_Answer.objects = <django.db.models.manager.Manager object at 0x7ffb18bb4dd0>
class hello.models.Vote_Question(*args, **kwargs)
Vote_Question(id, value, author_id, question_id)
exception DoesNotExist
exception Vote_Question.MultipleObjectsReturned
Vote_Question.author
Vote_Question.objects = <django.db.models.manager.Manager object at 0x7ffb18bc0390>
Vote_Question.question

```

## 1.4 hello.urls

App Specific Routing

- /all\_questions/
- /tag\_questions/(?P<tag\_id>d+)/
- /question/(?P<question\_id>d+)/
- /create\_question/
- /edit\_question/(?P<question\_id>d+)/
- /delete\_question/(?P<question\_id>d+)/
- /create\_answer/(?P<question\_id>d+)/
- /edit\_answer/(?P<answer\_id>d+)/
- /delete\_answer/(?P<answer\_id>d+)/
- /all\_uploads/
- /upload/
- /vote/(?P<question\_id>d+)/(?P<answer\_id>d+)/
- /vote/(?P<question\_id>d+)/(?P<direction>-?d+)/
- /feed/
- /feed/(?P<question\_id>d+)

## 1.5 hello.views

App specific views

### Functions

all_questions(request)	return all questions with pagination
all_uploads(request)	return uploaded images

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<code>create_answer(request, *args, **kwargs)</code>	create or update an answer
<code>create_question(request, *args, **kwargs)</code>	create or update a answer based on a question id
<code>delete_answer(request, *args, **kwargs)</code>	delete an answer
<code>delete_question(request, *args, **kwargs)</code>	delete a question
<code>question(request[, question_id])</code>	return a questions with its answers sorted
<code>tag_questions(request, tag_id)</code>	return questions with a specific tag
<code>upload(request, *args, **kwargs)</code>	upload an image
<code>vote(request, *args, **kwargs)</code>	allow users to vote once per question/answer

---

2.1 gettingstarted.urls

Base URL Routing

- accounts/
- accounts/login/
- accounts/logout/
- accounts/loggedin/
- accounts/auth/
- accounts/invalid/
- accounts/register/
- accounts/register\_success/

2.2 gettingstarted.views

Base views

Account Authentication

Functions

<code>auth_view(request)</code>	authenticate the user session
<code>current_user(request)</code>	debug data for user
<code>invalid_login(request)</code>	send to login failure page
<code>loggedin(request)</code>	send to login success page
<code>login(request)</code>	send to login page
<code>logout(request)</code>	send to logout success page
<code>register_success(request)</code>	send to registration success page
<code>register_user(request)</code>	add user to django database
<code>render(request, *args, **kwargs)</code>	Returns a <code>HttpResponse</code> whose content is filled with the result of calling <code>django.template.render</code>
<code>render_to_response(*args, **kwargs)</code>	Returns a <code>HttpResponse</code> whose content is filled with the result of calling <code>django.template.render_to_response</code>

### Classes

---

<code>HttpResponse([content])</code>	An HTTP response class with a string as content.
<code>HttpResponseRedirect(redirect_to, *args, ...)</code>	
<code>RequestContext(request[, dict_, processors, ...])</code>	This subclass of <code>template.Context</code> automatically populates itself using the processor.
<code>UserCreationForm([data, files, auto_id, ...])</code>	A form that creates a user, with no privileges, from the given username and password.

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## Indices and tables

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