(djangoPy3Env) Homes-MacBook-Pro-2:django\_fundamentals home$ django-admin startproject likes\_books

(djangoPy3Env) Homes-MacBook-Pro-2:django\_fundamentals home$ cd likes\_books

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ mkdir apps

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ cd apps

(djangoPy3Env) Homes-MacBook-Pro-2:apps home$ touch \_\_init\_\_.py

(djangoPy3Env) Homes-MacBook-Pro-2:apps home$ python manage.py startapp likes\_books\_app

(null): can't open file 'manage.py': [Errno 2] No such file or directory

(djangoPy3Env) Homes-MacBook-Pro-2:apps home$ python ../manage.py startapp likes\_books\_app

(djangoPy3Env) Homes-MacBook-Pro-2:apps home$ python manage.py makemigrations

(null): can't open file 'manage.py': [Errno 2] No such file or directory

(djangoPy3Env) Homes-MacBook-Pro-2:apps home$ cd ..

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ ls

apps likes\_books manage.py

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py makemigrations

Traceback (most recent call last):

File "manage.py", line 22, in <module>

execute\_from\_command\_line(sys.argv)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/core/management/\_\_init\_\_.py", line 367, in execute\_from\_command\_line

utility.execute()

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/core/management/\_\_init\_\_.py", line 341, in execute

django.setup()

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/\_\_init\_\_.py", line 27, in setup

apps.populate(settings.INSTALLED\_APPS)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/apps/registry.py", line 108, in populate

app\_config.import\_models(all\_models)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/apps/config.py", line 199, in import\_models

self.models\_module = import\_module(models\_module\_name)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/importlib/\_\_init\_\_.py", line 127, in import\_module

return \_bootstrap.\_gcd\_import(name[level:], package, level)

File "<frozen importlib.\_bootstrap>", line 1006, in \_gcd\_import

File "<frozen importlib.\_bootstrap>", line 983, in \_find\_and\_load

File "<frozen importlib.\_bootstrap>", line 967, in \_find\_and\_load\_unlocked

File "<frozen importlib.\_bootstrap>", line 677, in \_load\_unlocked

File "<frozen importlib.\_bootstrap\_external>", line 728, in exec\_module

File "<frozen importlib.\_bootstrap>", line 219, in \_call\_with\_frames\_removed

File "/Users/home/Desktop/Python/python\_stack/django\_fundamentals/likes\_books/apps/likes\_books\_app/models.py", line 14, in <module>

class User(models.Model):

File "/Users/home/Desktop/Python/python\_stack/django\_fundamentals/likes\_books/apps/likes\_books\_app/models.py", line 20, in User

liked\_books= models.ManyToManyField(User, related\_name="liked\_users")

NameError: name 'User' is not defined

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py makemigrations

**Migrations for 'likes\_books\_app':**

**apps/likes\_books\_app/migrations/0001\_initial.py**:

- Create model Book

- Create model User

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py migrate

**Operations to perform:**

**Apply all migrations:** admin, auth, contenttypes, likes\_books\_app, sessions

**Running migrations:**

Rendering model states... **DONE**

Applying contenttypes.0001\_initial... **OK**

Applying auth.0001\_initial... **OK**

Applying admin.0001\_initial... **OK**

Applying admin.0002\_logentry\_remove\_auto\_add... **OK**

Applying contenttypes.0002\_remove\_content\_type\_name... **OK**

Applying auth.0002\_alter\_permission\_name\_max\_length... **OK**

Applying auth.0003\_alter\_user\_email\_max\_length... **OK**

Applying auth.0004\_alter\_user\_username\_opts... **OK**

Applying auth.0005\_alter\_user\_last\_login\_null... **OK**

Applying auth.0006\_require\_contenttypes\_0002... **OK**

Applying auth.0007\_alter\_validators\_add\_error\_messages... **OK**

Applying auth.0008\_alter\_user\_username\_max\_length... **OK**

Applying likes\_books\_app.0001\_initial... **OK**

Applying sessions.0001\_initial... **OK**

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py shell

Python 3.7.0 (default, Sep 18 2018, 18:47:08)

[Clang 10.0.0 (clang-1000.10.43.1)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

(InteractiveConsole)

>>> from apps.likes\_books\_app.models import \*

>>> User.objects.create(first\_name='Eric', Last\_name='Timami', email='timameric@gmail.com')

Traceback (most recent call last):

File "<console>", line 1, in <module>

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 397, in create

obj = self.model(\*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 555, in \_\_init\_\_

raise TypeError("'%s' is an invalid keyword argument for this function" % list(kwargs)[0])

TypeError: 'Last\_name' is an invalid keyword argument for this function

>>> User.objects.create(first\_name='Eric', last\_name='Timami', email='timameric@gmail.com')

Traceback (most recent call last):

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/sqlite3/base.py", line 337, in execute

return Database.Cursor.execute(self, query, params)

sqlite3.IntegrityError: NOT NULL constraint failed: likes\_books\_app\_user.uploaded\_books\_id

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "<console>", line 1, in <module>

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 399, in create

obj.save(force\_insert=True, using=self.db)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 796, in save

force\_update=force\_update, update\_fields=update\_fields)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 824, in save\_base

updated = self.\_save\_table(raw, cls, force\_insert, force\_update, using, update\_fields)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 908, in \_save\_table

result = self.\_do\_insert(cls.\_base\_manager, using, fields, update\_pk, raw)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 947, in \_do\_insert

using=using, raw=raw)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 1043, in \_insert

return query.get\_compiler(using=using).execute\_sql(return\_id)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/sql/compiler.py", line 1054, in execute\_sql

cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 79, in execute

return super(CursorDebugWrapper, self).execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/utils.py", line 94, in \_\_exit\_\_

six.reraise(dj\_exc\_type, dj\_exc\_value, traceback)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/utils/six.py", line 685, in reraise

raise value.with\_traceback(tb)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/sqlite3/base.py", line 337, in execute

return Database.Cursor.execute(self, query, params)

django.db.utils.IntegrityError: NOT NULL constraint failed: likes\_books\_app\_user.uploaded\_books\_id

>>> exit()

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py makemigrations

You are trying to add a non-nullable field 'uploader' to book without a default; we can't do that (the database needs something to populate existing rows).

Please select a fix:

1) Provide a one-off default now (will be set on all existing rows with a null value for this column)

2) Quit, and let me add a default in models.py

Select an option: 1

Please enter the default value now, as valid Python

The datetime and django.utils.timezone modules are available, so you can do e.g. timezone.now

Type 'exit' to exit this prompt

>>> ''

**Migrations for 'likes\_books\_app':**

**apps/likes\_books\_app/migrations/0002\_auto\_20181019\_0106.py**:

- Remove field liked\_books from user

- Remove field uploaded\_books from user

- Add field liked\_users to book

- Add field uploader to book

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py migrate

**Operations to perform:**

**Apply all migrations:** admin, auth, contenttypes, likes\_books\_app, sessions

**Running migrations:**

Rendering model states... **DONE**

Applying likes\_books\_app.0002\_auto\_20181019\_0106... **OK**

(djangoPy3Env) Homes-MacBook-Pro-2:likes\_books home$ python manage.py shell

Python 3.7.0 (default, Sep 18 2018, 18:47:08)

[Clang 10.0.0 (clang-1000.10.43.1)] on darwin

Type "help", "copyright", "credits" or "license" for more information.

(InteractiveConsole)

>>> from apps.likes\_books\_app.models import \*

>>> User.objects.create(first\_name='Eric', last\_name='Timami', email='timameric@gmail.com')

<User: User object>

>>> User.objects.create(first\_name='Dimi', last\_name='Dimi', email='dimitri@gmail.com')

<User: User object>

>>> User.objects.create(first\_name='Armando', last\_name='Serge', email='serges@gmail.com')

<User: User object>

>>> Book.objects.create(name='Politics', desc=)

File "<console>", line 1

Book.objects.create(name='Politics', desc=)

^

SyntaxError: invalid syntax

>>> Book.objects.create(name='Politics', desc='art of laying')

Traceback (most recent call last):

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/sqlite3/base.py", line 337, in execute

return Database.Cursor.execute(self, query, params)

sqlite3.IntegrityError: NOT NULL constraint failed: likes\_books\_app\_book.uploader\_id

The above exception was the direct cause of the following exception:

Traceback (most recent call last):

File "<console>", line 1, in <module>

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 399, in create

obj.save(force\_insert=True, using=self.db)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 796, in save

force\_update=force\_update, update\_fields=update\_fields)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 824, in save\_base

updated = self.\_save\_table(raw, cls, force\_insert, force\_update, using, update\_fields)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 908, in \_save\_table

result = self.\_do\_insert(cls.\_base\_manager, using, fields, update\_pk, raw)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/base.py", line 947, in \_do\_insert

using=using, raw=raw)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/manager.py", line 85, in manager\_method

return getattr(self.get\_queryset(), name)(\*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 1043, in \_insert

return query.get\_compiler(using=using).execute\_sql(return\_id)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/sql/compiler.py", line 1054, in execute\_sql

cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 79, in execute

return super(CursorDebugWrapper, self).execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/utils.py", line 94, in \_\_exit\_\_

six.reraise(dj\_exc\_type, dj\_exc\_value, traceback)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/utils/six.py", line 685, in reraise

raise value.with\_traceback(tb)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/utils.py", line 64, in execute

return self.cursor.execute(sql, params)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/backends/sqlite3/base.py", line 337, in execute

return Database.Cursor.execute(self, query, params)

django.db.utils.IntegrityError: NOT NULL constraint failed: likes\_books\_app\_book.uploader\_id

>>> Book.objects.create(name='Politics', desc='art of laying', uploader\_id=1)

<Book: Book object>

>>> Book.objects.create(name='economics', desc='art of making money', uploader\_id=1)

<Book: Book object>

>>> Book.objects.create(name='coding', desc='thinking like computer', uploader\_id=2)

<Book: Book object>

>>> Book.objects.create(name='mathematics', desc='researching the unknown X', uploader\_id=2)

<Book: Book object>

>>> Book.objects.create(name='physics', desc='relation between maths and reality', uploader\_id=3)

<Book: Book object>

>>> Book.objects.create(name='geography', desc='history of the nature', uploader\_id=3)

<Book: Book object>

>>> this\_user=User.objects.get(id=1)

>>> this\_book=Book.objects.last()

>>> this\_user.books.liked\_users.add(this\_book)

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'User' object has no attribute 'books'

>>> this\_user.liked\_books.liked\_users.add(this\_book)

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'ManyRelatedManager' object has no attribute 'liked\_users'

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.first()

>>> this\_user.liked\_books.add(this\_book)

>>> this\_user=User.objects.get(id=2)

>>> this\_book=Book.objects.first()

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=3)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_user=User.objects.get(id=3)

>>> this\_book=Book.objects.all()

>>> this\_book.values()

<QuerySet [{'id': 1, 'name': 'Politics', 'desc': 'art of laying', 'created\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482422, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482473, tzinfo=<UTC>), 'uploader\_id': 1}, {'id': 2, 'name': 'economics', 'desc': 'art of making money', 'created\_at': datetime.datetime(2018, 10, 19, 1, 28, 17, 214874, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 28, 17, 215079, tzinfo=<UTC>), 'uploader\_id': 1}, {'id': 3, 'name': 'coding', 'desc': 'thinking like computer', 'created\_at': datetime.datetime(2018, 10, 19, 1, 30, 16, 848123, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 30, 16, 848224, tzinfo=<UTC>), 'uploader\_id': 2}, {'id': 4, 'name': 'mathematics', 'desc': 'researching the unknown X', 'created\_at': datetime.datetime(2018, 10, 19, 1, 31, 15, 693643, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 31, 15, 693694, tzinfo=<UTC>), 'uploader\_id': 2}, {'id': 5, 'name': 'physics', 'desc': 'relation between maths and reality', 'created\_at': datetime.datetime(2018, 10, 19, 1, 35, 0, 919418, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 35, 0, 919523, tzinfo=<UTC>), 'uploader\_id': 3}, {'id': 6, 'name': 'geography', 'desc': 'history of the nature', 'created\_at': datetime.datetime(2018, 10, 19, 1, 36, 46, 636825, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 36, 46, 636877, tzinfo=<UTC>), 'uploader\_id': 3}]>

>>> this\_user.liked\_books.add(this\_book)

Traceback (most recent call last):

File "<console>", line 1, in <module>

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/fields/related\_descriptors.py", line 881, in add

self.\_add\_items(self.source\_field\_name, self.target\_field\_name, \*objs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/fields/related\_descriptors.py", line 1028, in \_add\_items

'%s\_\_in' % target\_field\_name: new\_ids,

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 794, in filter

return self.\_filter\_or\_exclude(False, \*args, \*\*kwargs)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/query.py", line 812, in \_filter\_or\_exclude

clone.query.add\_q(Q(\*args, \*\*kwargs))

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/sql/query.py", line 1227, in add\_q

clause, \_ = self.\_add\_q(q\_object, self.used\_aliases)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/sql/query.py", line 1253, in \_add\_q

allow\_joins=allow\_joins, split\_subq=split\_subq,

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/sql/query.py", line 1183, in build\_filter

condition = lookup\_class(lhs, value)

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/lookups.py", line 19, in \_\_init\_\_

self.rhs = self.get\_prep\_lookup()

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/fields/related\_lookups.py", line 56, in get\_prep\_lookup

self.rhs = [target\_field.get\_prep\_value(v) for v in self.rhs]

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/fields/related\_lookups.py", line 56, in <listcomp>

self.rhs = [target\_field.get\_prep\_value(v) for v in self.rhs]

File "/Users/home/Desktop/Python/python\_stack/myEnvironments/djangoPy3Env/lib/python3.7/site-packages/django/db/models/fields/\_\_init\_\_.py", line 946, in get\_prep\_value

return int(value)

TypeError: int() argument must be a string, a bytes-like object or a number, not 'QuerySet'

>>> this\_book=Book.objects.get(id=1)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=2)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=3)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=4)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=5)

>>> this\_user.liked\_books.add(this\_book)

>>> this\_book=Book.objects.get(id=6)

>>> this\_user.liked\_books.add(this\_book)

>>> User.objects.liked\_books.get(id=1).values

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Manager' object has no attribute 'liked\_books'

>>> User.objects.liked\_books.get(id=1).values()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Manager' object has no attribute 'liked\_books'

>>> User.objects.liked\_books.get(id=1)

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Manager' object has no attribute 'liked\_books'

>>> User.objects.all()

<QuerySet [<User: User object>, <User: User object>, <User: User object>]>

>>> User.objects

<django.db.models.manager.Manager object at 0x105ee9710>

>>> User.objects.all().liked\_books.get(id=1)

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'QuerySet' object has no attribute 'liked\_books'

>>> u=User.objects.all()

>>> b=Book.objects.get(id=1)

>>> u.values()

<QuerySet [{'id': 1, 'first\_name': 'Eric', 'last\_name': 'Timami', 'email': 'timameric@gmail.com', 'created\_at': datetime.datetime(2018, 10, 19, 1, 9, 17, 269498, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 9, 17, 270474, tzinfo=<UTC>)}, {'id': 2, 'first\_name': 'Dimi', 'last\_name': 'Dimi', 'email': 'dimitri@gmail.com', 'created\_at': datetime.datetime(2018, 10, 19, 1, 10, 14, 109542, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 10, 14, 109641, tzinfo=<UTC>)}, {'id': 3, 'first\_name': 'Armando', 'last\_name': 'Serge', 'email': 'serges@gmail.com', 'created\_at': datetime.datetime(2018, 10, 19, 1, 10, 52, 786056, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 10, 52, 786128, tzinfo=<UTC>)}]>

>>> b.values()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Book' object has no attribute 'values'

>>> Book.objects.all()

<QuerySet [<Book: Book object>, <Book: Book object>, <Book: Book object>, <Book: Book object>, <Book: Book object>, <Book: Book object>]>

>>> Book.objects.get(id=1)

<Book: Book object>

>>> Book.objects.get(id=1).values

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Book' object has no attribute 'values'

>>> Book.objects.get(id=1).values()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'Book' object has no attribute 'values'

>>> b=Book.objects.filter(id=1)

>>> b=Book.objects.filter(id=1)b

File "<console>", line 1

b=Book.objects.filter(id=1)b

^

SyntaxError: invalid syntax

>>> b

<QuerySet [<Book: Book object>]>

>>> b.values()

<QuerySet [{'id': 1, 'name': 'Politics', 'desc': 'art of laying', 'created\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482422, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482473, tzinfo=<UTC>), 'uploader\_id': 1}]>

>>> b.liked\_books.all()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'QuerySet' object has no attribute 'liked\_books'

>>> b.liked\_users.all()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'QuerySet' object has no attribute 'liked\_users'

>>> b.liked\_users.all()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'QuerySet' object has no attribute 'liked\_users'

>>> b.values()

<QuerySet [{'id': 1, 'name': 'Politics', 'desc': 'art of laying', 'created\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482422, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 27, 14, 482473, tzinfo=<UTC>), 'uploader\_id': 1}]>

>>> Book.objects.first().liked\_users.all()

<QuerySet [<User: User object>, <User: User object>, <User: User object>]>

>>> Book.objects.first().uploader.all()

Traceback (most recent call last):

File "<console>", line 1, in <module>

AttributeError: 'User' object has no attribute 'all'

>>> Book.objects.first().uploader

<User: User object>

>>> Book.objects.first().uploader.\_\_dict\_\_

{'\_state': <django.db.models.base.ModelState object at 0x1060a6748>, 'id': 1, 'first\_name': 'Eric', 'last\_name': 'Timami', 'email': 'timameric@gmail.com', 'created\_at': datetime.datetime(2018, 10, 19, 1, 9, 17, 269498, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 10, 19, 1, 9, 17, 270474, tzinfo=<UTC>)}

>>> Book.objects.get(id=2).liked\_users.all()

<QuerySet [<User: User object>]>

>>> Book.objects.get(id=2).uploader

<User: User object>

>>>