* Create 3 different user accounts

>>> from apps.LikesBooks.models import \*

>>> User.objects.create(first\_name="Irwan", last\_name="Soetandar", email="isoetandar2003@gmail.com")

<User: User object>

>>> User.objects.create(first\_name="Darwin", last\_name="Soetandar", email="darwin@gmail.com")

<User: User object>

>>> User.objects.create(first\_name="Jack", last\_name="Soetandar", email="jack@gmail.com")

<User: User object>

>>> User.objects.values()

<QuerySet [{'id': 1, 'first\_name': 'Irwan', 'last\_name': 'Soetandar', 'email': 'isoetandar2003@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 57, 20, 34290, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 57, 20, 34583, tzinfo=<UTC>)}, {'id': 2, 'first\_name': 'Darwin', 'last\_name': 'Soetandar', 'email': 'darwin@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 57, 49, 761721, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 57, 49, 761758, tzinfo=<UTC>)}, {'id': 3, 'first\_name': 'Jack', 'last\_name':'Soetandar', 'email': 'jack@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519377, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519420, tzinfo=<UTC>)}]>

* Have the first user create/upload 2 books.

>>> Book.objects.create(name="Journey Javascript", desc="from beginer to advance user", uploader=User.objects.get(id=1))

<Book: Book object>

>>> Book.objects.create(name="Rocks Javascript", desc="Solidified your skill in Javascript", uploader=User.objects.get(id=1))

<Book: Book object>

>>> Book.objects.values()

<QuerySet [{'id': 1, 'name': 'Journey Javascript', 'desc': 'from beginer to advance user', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 72975, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 73008, tzinfo=<UTC>)}, {'id': 2, 'name': 'Rocks Javascript', 'desc': 'Solidified your skill in Javascript', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374175, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374248, tzinfo=<UTC>)}]>

* Have the second user create/upload 2 other books.

>>> Book.objects.create(name="Rocks Javascript II", desc="Rock Solid your skill in Javascript", uploader=User.objects.get(id=2))

<Book: Book object>

>>> Book.objects.create(name="Journey Javascript II", desc="new journey from beginer to advance user", uploader=User.objects.get(id=2))

<Book: Book object>

>>> Book.objects.values()

<QuerySet [{'id': 1, 'name': 'Journey Javascript', 'desc': 'from beginer to advance user', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 72975, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 73008, tzinfo=<UTC>)}, {'id': 2, 'name': 'Rocks Javascript', 'desc': 'Solidified your skill in Javascript', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374175, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374248, tzinfo=<UTC>)}, {'id': 3, 'name': 'Rocks Javascript II', 'desc': 'Rock Solid your skill in Javascript', 'uploader\_id': 2, 'created\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266486, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266519, tzinfo=<UTC>)}, {'id': 4, 'name': 'Journey Javascript II', 'desc': 'new journey from beginer to advance user', 'uploader\_id': 2, 'created\_at': datetime.datetime(2018, 5, 19, 19, 46, 42, 538136, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 46, 42, 538209, tzinfo=<UTC>)}]>

* Have the third user create/upload 2 other books.

>>> Book.objects.create(name="Amasing Journey Javascript II", desc="new amazing journey from beginer to advance user", uploader=User.objects.get(id=3))

<Book: Book object>

>>> Book.objects.create(name="Rocks and Roll Javascript II", desc="Rock and Roll your skill in Javascript", uploader=User.objects.get(id=3))

<Book: Book object>

>>> Book.objects.filter(uploader\_id="3").values()

<QuerySet [{'id': 5, 'name': 'Amasing Journey Javascript II', 'desc': 'new amazing journey from beginer to advance user', 'uploader\_id': 3, 'created\_at': datetime.datetime(2018, 5, 19, 19, 51, 5, 914104, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 51, 5, 914159, tzinfo=<UTC>)}, {'id': 6, 'name': 'Rocks and Roll Javascript II', 'desc': 'Rock and Roll your skill in Javascript', 'uploader\_id': 3, 'created\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403441, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403483, tzinfo=<UTC>)}]>

* Have the first user like the last book and the first book

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

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

>>> User.objects.first().liked\_books.values()

<QuerySet [{'id': 1, 'name': 'Journey Javascript', 'desc': 'from beginer to advance user', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 72975, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 73008, tzinfo=<UTC>)}, {'id': 6, 'name': 'Rocks and Roll Javascript II', 'desc': 'Rock and Roll your skill in Javascript', 'uploader\_id': 3, 'created\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403441, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403483, tzinfo=<UTC>)}]>

>>>

* Have the second user like the first book and the third book

>>> User.objects.get(id=2).liked\_books.add(Book.objects.first())

>>> User.objects.get(id=2).liked\_books.add(Book.objects.get(id=3))

>>> User.objects.get(id=2).liked\_books.values()

<QuerySet [{'id': 1, 'name': 'Journey Javascript', 'desc': 'from beginer to advance user', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 72975, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 73008, tzinfo=<UTC>)}, {'id': 3, 'name': 'Rocks Javascript II', 'desc': 'Rock Solid your skill in Javascript', 'uploader\_id': 2,'created\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266486, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266519, tzinfo=<UTC>)}]>

>>>

* Have the third user like all books

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=1))

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=2))

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=3))

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=4))

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=5))

>>> User.objects.get(id=3).liked\_books.add(Book.objects.get(id=6))

>>> User.objects.get(id=3).liked\_books.values()

<QuerySet [{'id': 1, 'name': 'Journey Javascript', 'desc': 'from beginer to advance user', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 72975, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 36, 56, 73008, tzinfo=<UTC>)}, {'id': 2, 'name': 'Rocks Javascript', 'desc': 'Solidified your skill in Javascript', 'uploader\_id': 1, 'created\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374175, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 41, 8, 374248, tzinfo=<UTC>)}, {'id': 3, 'name': 'Rocks Javascript II', 'desc': 'Rock Solid your skill in Javascript', 'uploader\_id': 2, 'created\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266486, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 46, 12, 266519, tzinfo=<UTC>)}, {'id': 4, 'name': 'Journey Javascript II', 'desc': 'new journey from beginer to advance user', 'uploader\_id': 2, 'created\_at': datetime.datetime(2018, 5, 19, 19, 46, 42, 538136, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 46, 42, 538209, tzinfo=<UTC>)}, {'id': 5, 'name': 'Amasing Journey Javascript II','desc': 'new amazing journey from beginer to advance user', 'uploader\_id': 3, 'created\_at': datetime.datetime(2018, 5, 19, 19, 51, 5, 914104, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 51, 5, 914159, tzinfo=<UTC>)}, {'id': 6, 'name': 'Rocks and Roll Javascript II', 'desc': 'Rock and Roll your skill in Javascript', 'uploader\_id': 3, 'created\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403441, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 19, 51, 57, 403483, tzinfo=<UTC>)}]>

* Display all users who like the first book

>>> Book.objects.get(id=1).liked\_users.values()

<QuerySet [{'id': 1, 'first\_name': 'Irwan', 'last\_name': 'Soetandar', 'email': 'isoetandar2003@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 57, 20, 34290, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 57, 20, 34583, tzinfo=<UTC>)}, {'id': 2, 'first\_name': 'Darwin', 'last\_name': 'Soetandar', 'email': 'darwin@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 57, 49, 761721, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 57, 49, 761758, tzinfo=<UTC>)}, {'id': 3, 'first\_name': 'Jack', 'last\_name':'Soetandar', 'email': 'jack@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519377, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519420, tzinfo=<UTC>)}]>

* Display the user who uploaded the first book

>>> Book.objects.get(id=1).uploader.first\_name

'Irwan'

* Display all users who like the second book

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

<QuerySet [{'id': 3, 'first\_name': 'Jack', 'last\_name': 'Soetandar', 'email': 'jack@gmail.com', 'created\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519377, tzinfo=<UTC>), 'updated\_at': datetime.datetime(2018, 5, 19, 18, 58, 7, 519420, tzinfo=<UTC>)}]>

* Display the user who uploaded the second book

Book.objects.get(id=2).uploader.first\_name

'Irwan'