

MIT AITI
Problem Set 4 – Django Views and Templates
Due: Jul 3, 2012 4pm



We will be assessing lab3 during the lab time today. Please be prepared to show your admin site with a functioning UserLink model. We will assess this lab (lab 4) during the lab time on Jul 3.

1. FriendBook Views

1.1 Viewing all Users

Implement a view to display all users in your system when you access <http://127.0.0.1:8000/users>

1.2 Viewing Friends

We are not interested in seeing all the users in the system. Rather, we are more interested in seeing only the people we are following and our followers.

1.2.1. Add the necessary code to see all the followers of user with <username> when you visit <http://127.0.0.1:8000/<username>/followers>.

1.2.2. Similarly, add the code to see the users that the user with <username> is following when you visit <http://127.0.0.1:8000/<username>/following>

2. FriendBook Session Management

2.1. Logging in

Add user session support for your website. Your website should prompt the user to log in when accessing <http://127.0.0.1:8000> . Once logged in, the user should see the friends she is following.

Hint: Refer to Django session management and Users and Authentication: <http://www.djangobook.com/en/beta/chapter12>

2.2. Basic Access Control

A user should not be able to see the homepage of another user if she is not following that user. For example if the current user is Oshani, and if she is not friends with Francis on FriendBook, she should see “You are not following Francis” when visiting Francis’ homepage at <http://127.0.0.1:8000/Francis> . If Oshani is friends with Francis on FriendBook, she should see the list of friends that Francis has (or the people Francis follows).

3. FriendBook Templates

So far you probably wrote your HTML code in the views.py. This is not good as it makes your “controller” code cluttered with user interface code. Clean up your views.py by introducing templates.

4. Javascript and CSS (Bonus)

Be creative! Introduce Javascript and CSS to make your FriendBook site look appealing to new users. You may also add other functionalities to your FriendBook site. We are awarding up to 50% of bonus points depending on the creativeness of the new features and user interface elements you add.