



In Instagram, everyone signs in, logs in, and is able to see who they follow and who follows them. Although the idea is simple, it is far from easy to implement. The diagram above shows an example of a social media network. In this example, John follows Jim and Jim follows John. But, John follows Bob and Bob does not follow John. Since not every body a person follows will be followed back, it makes it even harder to implement.

Here is your task:

1. Implement sign up feature
2. Implement log in feature
3. Allow a user to browse other profiles so they can decide who they want to follow
4. Allow user to see who they follow and who follows them
5. Allow user to see those who they follow and are followed back

**HINT:** Create 2 dictionaries. One called users (key = username, value = password), and one called network (key = username, password = those who the user follows). Also, try to run the code first to see how the program should look like.

You can play around with this project and experiment. You can even allow the user to see those who they follow but are not followed back.