CS 548
Enterprise Software Architecture and Design
IAM Access to EC2 Console

We need to be able to test your deployment in the Amazon cloud, however we cannot ask you to leave your deployment running, because of the cost. AWS allows you to create user accounts with access to parts of your AWS console, and for this assignment you should create such a user for the course assistants, with the credentials to log into your AWS console. However you should restrict the user to only be able to access your EC2 console. Read access is not sufficient, since the point is to allow us to launch an EC2 instance for testing, and shut it down when finished.

Unfortunately IAM only restricts access to particular consoles (e.g., EC2), but does not yet restrict access to particular EC2 instances. You may want to work with a separate AWS account for this class, to protect your privacy if you are using AWS for anything else.

For this assignment, you should create an IAM username, with a randomly generated password to control access to the account, and with permissions just to access your EC2 console. Please provide the following information:
1. The URI for logging into your AWS console.
2. The IAM username that you have created.
3. The password for this IAM username.

In addition, you should enable course assistants to access the instance once launched. You have configured Payara and Postgresql to launch automatically when the instance starts, but it may still be necessary for the graders to access the instance. You will be provided with public SSH keys for the course assistants. Copy these files over to your EC2 instance using scp, ssh as `ec2-user` to the EC2 instance, and copy the keys to the authorized keys file:

```
cat *.pub >> ~/.ssh/authorized_keys
```

This will allow the graders to ssh in as `ec2-user`, after starting it from the EC2 console, from which they will be able to su to `glassfish` or `postgresql`.

For the assignments, you will be asked to provide instructions for launching the application for testing, where appropriate.