Setting up your new OpenStack account

A resource of the Advanced Computing Group at the University of Maine
Step 1) Login!
This is your overview. Click "Networks" on the left.
You have no networks! Click "+ Create Network"
Enter a name for your new network. Click "Subnet"
Enter a subnet name, and non-routable (private) network address. Then click "Subnet Detail"
Enter UMaine's name servers then click "Create"
So far so good :-) 
Click "Routers"
Let's create one! Click "+ Create Router"
This one is simple. **Enter a name then click "Create router"**
The router needs a path to internet
Click "Set Gateway"
Make sure "external" is selected as the "External Network" then click "Set Gateway"
Now we need to add your network to the router. Click on the name of your router.
Click "+ Add Interface"
Select your network from the "Subnet" dropdown then click "Add interface"
Excellent. Take a look at what you set up. Click "Network Topology"
Looks great. Your network is connected to the outside world through the router you created. Click "Access & Security".
Here we configure firewall rules, and other security related aspects. Let's create a basic server configuration that has HTTP, HTTPS and SSH access. Click "+ Create Security Group"
Enter a name and description for the rule set you are creating. Click "Create Security Group"
Let's add some rules. Click "+ Add Rule"
Here I am adding port 22 (Secure Shell). **Once satisfied click "Add"**
If you would like to be able to ping your VM, allow ICMP by adding a rule like this. Click "Add".
An example of a basic web server.

Click "Access & Security"
Go to the "Keypairs" tab. Initial VM access is done through SSH public/private keypairs. If you already have one of these, click "Import Keypair".
Enter a keypair name and the contents of your public key. Click "Import Keypair"
Good Job. You are on the home stretch! Click "Instances"
Currently you do not have any virtual machines. How sad! Click "+ Launch Instance"
There is a lot going on! **Select the OS you would like to boot from the "Image" drop down, enter an "Instance Name" and select a Flavor.** Flavors defines how much of your resource pool a VM gets. **Click "Access & Security"**.
Select which user's keypair you would like to use from the "Keypair" drop down. Select the security groups you would like to enable with the "Security Groups" checkboxes. Click "Networking"
Click and drag your network from "Available Networks" into "Selected Networks". Click "Launch".
Your very own VM! You must be so proud. Now we need to assign it an external (Floating) IP so other can access your wonderful new VM. Click "Associate Floating IP" from the "More" dropdown
Hrmm, no IP addresses available...

Click the "+" button to create a floating IP.
Make sure "external" is selected from the "Pool" drop down then click "Allocate IP"
Great! Make note of the IP. Click "Associate". After a short amount of time you should be able to ssh into your new virtual machine! HINT: If you selected Fedora the login user is "fedora" if you selected Ubuntu the login user is "ubuntu"