# Installing and Running PYX-Reloaded

#### **Introduction**

This document should teach you how to properly set up and configure an installation of the Cards Against Humanity online clone, PYX-Reloaded.

PYX-Reloaded is a spin-off from another popular clone, PretendYoureXyzzy. This is commonly abbreviated as just "PYX" for short, and thus we used the title PYX-Reloaded when creating this game.

Your goal is to successfully test this in a sandboxed environment. The user interface has been highly simplified and made far less intimidating than its predecessor. It also conforms to Google's material design, so if you use Android, this should look very familiar.

### **Objective: Set Up the Server**

I will be setting up the testing environment for you beforehand. That said, once you are in, start here.

 The first thing you should do is open a terminal. To do this, move the mouse up into the corner of the screen that says "Activities" (Figure 1.1)

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Figure 1.1	

2. Click "Activities" and the overlay should appear, something like this (Figure 1.2)

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 Using the search bar as seen in Figure 1.3, type "terminal" and select it from the options. If you did this right, a window should open resembling that of the window shown in Figure 1.4.



Figure 1.3



Figure 1.4

- 4. In this window, you will need to pull down the PYX-Reloaded source code and compile it:
  - 4.1. Type git clone <u>https://github.com/devgian</u> <u>lu/PYX-Reloaded.git</u> - this is shown in Figure 1.5.
  - 4.2. Go to the directory under which everything was just downloaded. To do this, type cd PYX-Reloaded, also shown in Figure 1.6.
  - 4.3. Once you're in the right directory, you will need to use the Apache Maven build system to compile the code into a working program. In the terminal, type mvn clean package (shown in Figure 1.7).



Figure 1.5



Figure 1.6



Figure 1.7

- 5. We now have a compiled program that can be run! To properly run this, however, you will need administrator access. When you reach this step on any Linux-based machine, you should be able to run the file using your administrator password you set up when you first got the machine. (Note: I will put my password in during the test these instructions were written for).
  - 5.1. First, we will need to prep the server's configuration for running - we will need to rename the server's preferences file. Open the dash you used to open the terminal to open the file manager. Figure 1.8 and 1.9 show how to open the file manager.



**Figure 1.8**: Find this icon pinned to the side of the screen and click on it.





5.2. Once in the file manager, it should show a slew of folders. Find the one titled *PYX-Reloaded* and double-click it. Figure 2 shows the folder highlighted, while Figure 2.1 shows what's inside a default PYX-Reloaded installation folder.





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Figure 2.1

5.3. Find the file titled preferences.json.default and hit F2 on the keyboard. This should show a rename dialog as shown in Figure 2.2.

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Figure 2.2

5.4. Remove the *.default* on the end of the name - the server will absolutely refuse to run, and it will yell at you if you don't do this! Press the *Enter* key to save the change. The final result is shown in Figure 2.3.



Figure 2.3

- 5.5. Back in the terminal, type sudo java -jar \$HOME/PYX-Reloaded/target/ PYX-jar-with-dependencies. jar to start the server's backend, as shown in Figure 2.4.
- 5.6. You will need to open a new tab in the terminal window! To keep the server running, you will not be able to do anything in the current window. Hitting **Shift+Ctrl+T** will open a new working terminal.

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Figure 2.4

## **Objective: Access the Site!**

- 6. Now, we have to know how to access the site! On Linux, this can be found by typing the ifconfig command in the terminal.
  - 6.1. As shown in Figure 2.5, you will need to find the "active" network connection. Once you find that, the IP you need to copy and paste in your browser is highlighted. *THE ONE IN THIS SCREENSHOT WILL NOT WORK!*



Figure 2.5

- Using the same method used to open the file manager in Step 5.1, click the Firefox icon to open a new browser window.
  - 7.1. In the browser window, type or paste the IP address from the last step into the omnibox and press *Enter*. Figure 2.6 shows the end result!

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## Final Notes

The current local setup works. HOWEVER, Gianluca, the Italian developer I've been working on this with over the last three months, has yet to implement an administrative backend. There should be a "first-time setup" when the site is first run. This is to setup the database for users, and to create an administrator account, so that other installs can have their own Social links.

If you really want to test this with a few friends, I encourage you to go to <u>http://mastodons.tk</u> for a completed setup that works without complication.

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The reference implementation of PYX-Reloaded. I'm going to work with Gianluca to develop an out-of-box experience to make setup a little less painful.