Laptop and Tools Familiarization Checklist - Java

Welcome to your new Tech Elevator equipment! To ensure a solid foundation at the start of the cohort, it's important that your laptop is set up by Day 1.

This document will guide you through both initial setup and troubleshooting steps to ensure that your equipment is functioning properly during your time at Tech Elevator. This is a checklist designed to familiarize yourself with your new PC and some of the online tools we will use at Tech Elevator. ***All Tech Elevator work must be completed on this laptop.***

Here is a helpful article if you are a Mac user and want a quick primer on using Windows 10 https://www.pcmag.com/how-to/15-windows-10-tips-for-mac-users**.**

Log in with the credentials you were provided (all laptop passwords are set to ***techelevator1*** by default on the ***Student*** user account) and complete the following checklist. ***Do not*** add or modify user accounts or passwords.

Software tools

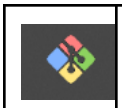
1. **Find your Integrated Development Environment: Eclipse (Java)**

	***What is the IntelliJ IDEA? (Java)*** This is the primary tool you'll use to write Java code. Find the IntelliJ IDEA on your workstation, run it, and verify that it starts without issue.

2. **Find your Database Management Software: DB Visualizer (Java)**

	***What is DB Visualizer? (Java)*** This is a tool used to query databases. You'll start using this in the database module. Find DB Visualizer on your laptop, run it, and verify that it starts without issue.

3. **Launch your shell Application: Git BASH (Windows)**

	***What is Git BASH? (Windows)*** Git BASH is a command-line tool that allows you to interact with your laptop or a remote computer by typing commands. Find Git BASH on your laptop, run it, and verify that it starts without issue.

4. **Find Visual Studio Code (VS Code)**

	***What is VS Code?*** VS Code is a powerful text editor. You'll use it primarily for writing HTML, CSS, and JavaScript during the web application module. Find VS Code on your laptop, run it, and verify that it starts without issue.

5. **Find Postman**

	***What is Postman?*** Postman is a tool used to interact with web APIs. You'll start using this in Module 3. Find Postman on your laptop, run it and verify that it starts without issue.

6. **Zoom**

	**What is Zoom?** Zoom is a teleconference platform. All Tech Elevator hosted sessions will be hosted and recorded on Zoom. You'll need to create a Zoom Account https://zoom.us/ . Find the Zoom client on your laptop, run it, and verify that it starts without issue.

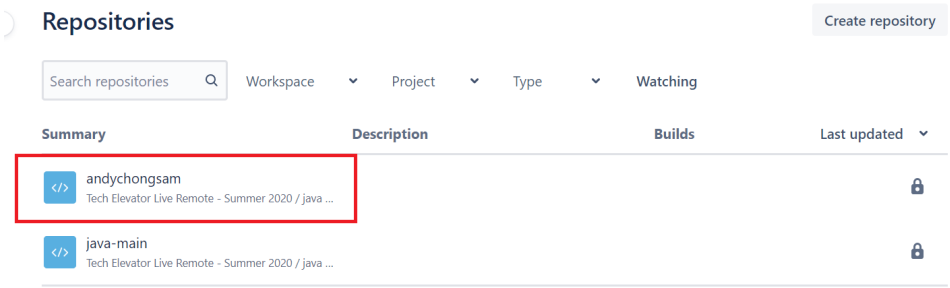
Online tools

1. **Bitbucket:**

What is Bitbucket?
Bitbucket is a web-based version control service that hosts the code we work on and distributes it to Tech Elevator students. You will upload your completed homework assignments to Bitbucket using git.

1. You should have received an email from Bitbucket stating that you've been granted access to a BitBucket repository. **Accept the invite**. If your invitation has expired, contact your instructor to get a new one.

2. Log in to Bitbucket with the account you created for the prework. Then navigate to the Repositories section. You'll see a repository that contains your name. Click on it.



3. Open your shell application (Git BASH, in Software Tools #3, above).

4. Navigate to the workspace folder by typing `cd ~/workspace`

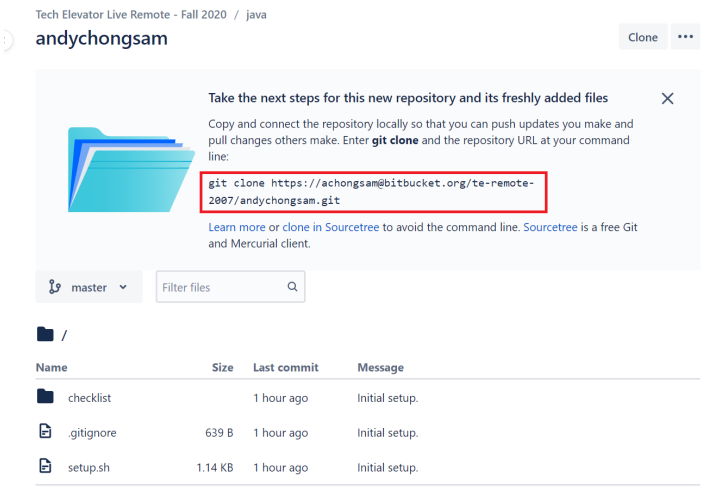
   NOTE: You will most likely get an error that looks similar to this:

   ```
   bash: cd: /c/Users/Student/workspace: No such file or directory
   ```

   If you do, type this, hit enter, and try the `cd ~/workspace` command again:

   ```
   mkdir ~/workspace
   ```

5. Copy the clone command from your repository in Bitbucket, paste it into your shell application, and then press enter. *** Please note that the traditional Ctrl+V paste command is replaced with Shift+Insert in Git Bash ****



6. Verify that you see a message on Bitbucket similar to this one.

```
Cloning into 'andychongsam'...
remote: Counting objects: 6, done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 6 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (6/6), 1.29 KiB | 27.00 KiB/s, done.
```

7. Still within your shell application, navigate into the repository folder by typing: **`cd yourname`** (instead of ***yourname***, enter the name of the repository folder i.e. jaynedoe-java).

   Note: If you closed your shell application by accident, enter **`cd ~/workspace/yourname`** instead.

8. Next, type the following command: **`sh setup.sh`**
   You'll be prompted to enter your *firstname lastname* and then prompted for your *email address*

```
$ sh setup.sh

Enter your name (First Last): Andy Chong
Enter your email: achongsam@gmail.com
Enter your cohort (c or java): java
Enter your bitbucket team (e.g. te-cin-cohort-4): te-remote-2007

Setting Up Global Configuration Settings
Setting up Git Editors and Tools...

Configuring Upstream...
Done.
```

9. When step 8 is finished, stay in Git BASH and type **`git pull upstream main`**

	If you see the message “Already up to date”, you are done. 10. If anything goes wrong, you may come to the Tools Training and Programmer Overview session before the start of the cohort. If you cannot attend this will also be reviewed on the first day of class.

2. Bootcamp OS

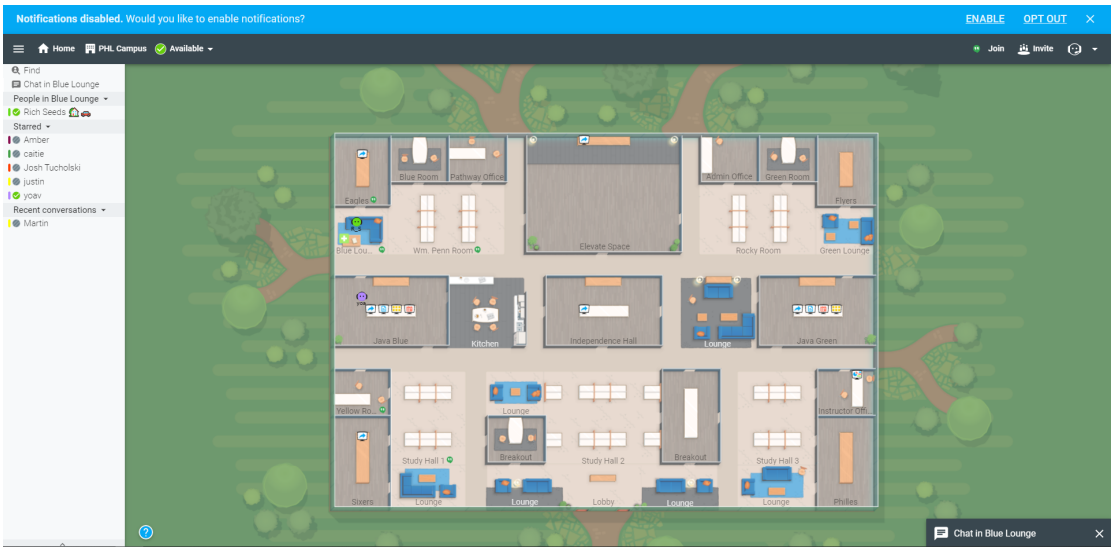
What is Bootcamp OS?
Bootcamp OS is your student dashboard. It is the site you will use to receive feedback on assignments and quizzes. The grader will also leave comments on your work.

You may access Bootcamp OS at: https://bos.techelevator.com/

3. Sococo

What is Sococo?
Sococo is a virtual presence service and helps you be a part of our virtual campus. Each Sococo user has a virtual avatar that indicates if they are on or off-campus, making it easier to find someone when you need assistance. Each room in the virtual campus will contain links to lecture broadcasts, pathway events, or collaboration rooms.

You'll receive an email from Tech Elevator with your credentials. To access Sococo, log in here: https://app.sococo.com/



Click here to view a guide to using Sococo.

4. Slack

What is Slack?
Slack is a chat platform. You can use Slack to send messages to your classmates, instructors, or Tech Elevator staff. Your instructor and pathway director also post important announcements through Slack.

Go to Slack and make sure that you can see the following channels:

In your subscribed channels, you should have the following channels:

- The General Channel (phl-4-general)
- The IT Support Channel (phl-4-it-support)
- The Java/dotNet Channel (phl-4-java)
- The Main classroom channel (phl-4-java-blue/green)
- The Pathway channel (phl-4-pathway)
- The Kudos channel (phl-4-culturekudos)
- The Water Cooler (phl-4-random)

Note: Channels may not have these exact names.

5. Google Drive

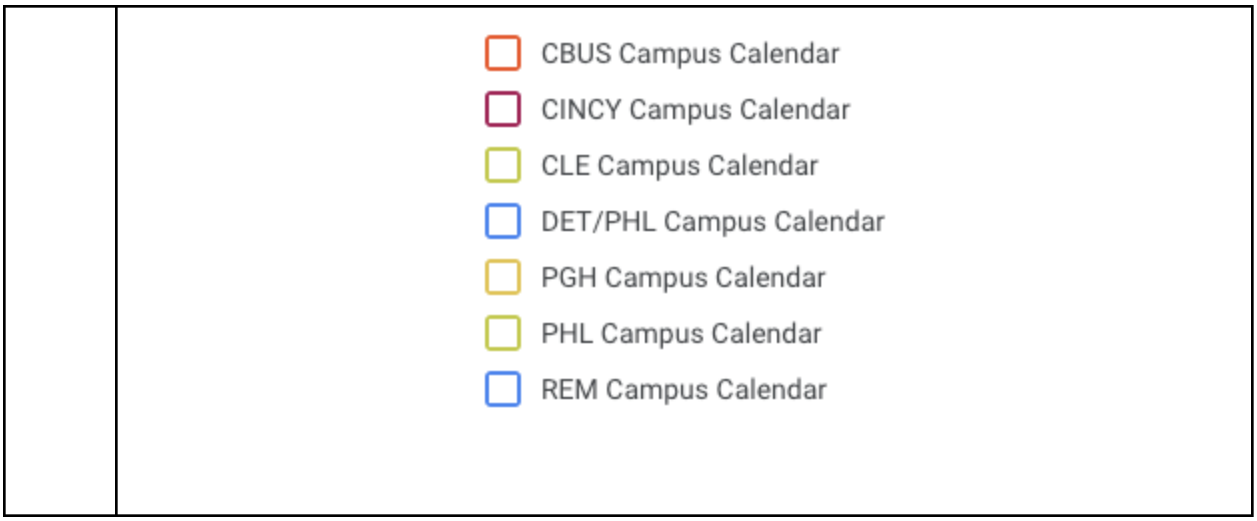
What is Google Drive?
Google Drive will be used to hold any assets related to your Pathway Program search. Your elevator pitch, resume, and headshots that you can use for social media or job applications will reside here.

Verify that you have access to Google Drive.

6. Google Calendar

What do we use Google Calendar for?
Google Calendar will be used to indicate which events you need to be aware of as a student. The entire Tech Elevator syllabus (academic and pathway) will be shared here. On any given day, you'll use this to know what is going to be covered or where you need to be.

Verify you see the class syllabus calendar for your campus.



7. Textbook:

The textbook contains all required readings for the class. Click here to visit the textbook, and make sure it loads without issue. Be sure to set your language to C# or Java, based upon your track.

8. Socrative:

What is Socrative?
Socrative is our quiz-taking platform. Each day will have a short diagnostic quiz that tests your understanding of the day's material. These quizzes will be taken in Socrative. You will navigate to Socrative here and select Student Login to take your daily quizzes and pulse surveys.

Your Student ID has been sent to you via Slack. You will need this to sign in to Socrative. You will also need your classroom name, they are shown below:

Java Green Classroom Name: PHL04JAVAGREENa
Java Blue Classroom Name: PHL04JAVABLUE

TROUBLESHOOTING

If you experience an issue with your computer during lecture, there's no need to panic. Follow these steps:

- If you have another device, hop onto the lecture link to watch.
- After lecture:
    - Contact your Instructor or Academic Fellow for assistance
    - They will help you assess if it is a Hardware or Software issue. Fellows and Instructors can assist with most Software issues.
    - For Hardware issues, you will be referred to Tech Elevator IT Support for further assistance

Troubleshooting Common Problems

[Windows] : If you get a command not found upon typing git --version

➡

You need to add a Path variable containing the location of your git