

Laptop and Tools Familiarization Checklist

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 both your new PC and some of the online tools we will be using at Tech Elevator. **All Tech Elevator work must be completed on this laptop.**

The laptops have Windows 11 installed. If you are coming from a different operating system, you should spend some time getting to know where things are on your machine. Here is a helpful article if you are a Mac user and want a quick primer.

<https://www.pcmag.com/how-to/15-windows-10-tips-for-mac-users>.

Log in as a Student user with the password of **techelevator1** and complete the following checklist.

Laptop Usage Guidelines


In order to keep your laptop performing at the level needed for software development, observing the following guidelines is required:


1. Acquire an extra screen/monitor if possible. The size of the monitor is not important.
2. **Do not download and install any additional apps or software.** (These have been known to interfere with the audio and video drivers prepackaged on the laptop)
3. Do not use a “fancy” headset. A simple analog pair of earbuds (with microphone) works best. On the last page of this document we have a suggested list of peripherals.
4. Be mindful of your internet browsing, don't visit sites that are inappropriate for a professional work environment.
5. Be mindful of how many tabs are open on Chrome - a large number of tabs can drain your laptop's memory. We typically advise no more than 6 tabs are open at a single time.
6. Do a periodic shut-down of your machine. A reboot at least once every two days, and a full shutdown at least once a week is recommended.
7. Avoid using tobacco or vaping products near your machine.
8. Be careful with drinks (any sort of fluid) near your machine.
9. You will be provided with shipping material for when you return the laptop after you graduate, keep this in a safe and accessible place.

[The checklist starts on the next page]


Software tools


1. Find your Integrated Development Environment: IntelliJ IDEA (Java) or Visual Studio (.NET)

	<p><i>What is IntelliJ IDEA? (Java)</i> This is the primary tool you'll use to write Java code.</p> <p>Find IntelliJ IDEA on your workstation, run it, and verify that it starts without issue.</p>
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	<p><i>What is Visual Studio? (.NET/C#)</i> This is the primary tool you'll use to write C# code.</p> <p>Find Visual Studio on your workstation, run it, and verify that it starts without issue.</p>
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2. Find your Database Management Software: pgAdmin (Java) or SQL Server Management Studio (.NET)

	<p><i>What is pgAdmin? (Java)</i> This is a tool used to query databases. You'll start using this in the database module.</p> <p>Find pgAdmin on your laptop (under Postgres), run it, and verify that it starts without issue.</p>
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	<p><i>What is SQL Server Management Studio (.NET)</i> This is a tool used to query databases. You'll start using this in the database module.</p> <p>Find SQL Server Management Studio (SSMS) on your laptop, run it, and verify that it starts without issue.</p>
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3. Launch your shell Application: Git Bash (Windows) or the Terminal App (Mac)



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. Do not assume a similar looking icon on the Windows taskbar is Git Bash (it could be a similar tool called Git CMD). Use the Windows search functionality instead.



What is the Terminal App? (Mac)

The Terminal app is a command-line tool that allows you to interact with your laptop or a remote computer by typing commands.

Hold down the command button and press spacebar to reveal the Spotlight Search feature. Release the command key. Type `terminal` into the search, and press the return key to open the Terminal application.

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.

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. GitLab:



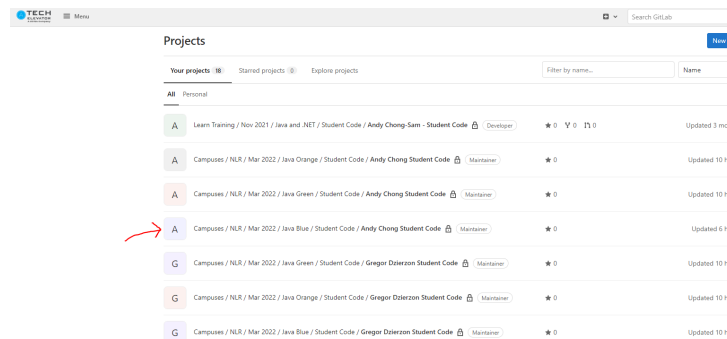
What is GitLab?

GitLab is a code repository. You will use it to download each day's course material and to submit your homework assignments. You will be obtaining an email invite to GitLab shortly. The email subject should look like this:

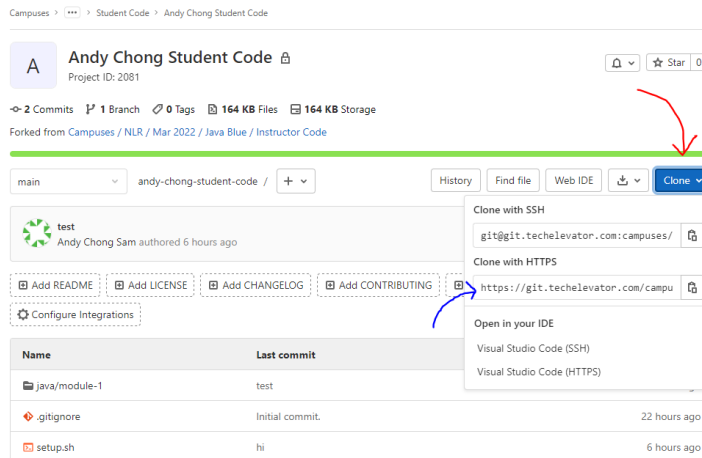
☐ ☆ Tech Elevator Access to the Campuses / NLR / Mar 22 / Java Blue / Instructor Code project was granted -

You will be granted access to this site: <https://git.techelevator.com/>

1. Open your shell application (Git BASH or Terminal).
2. Navigate to your home directory by typing `cd ~`.
3. Make a workspace directory by typing `mkdir workspace`.
4. Navigate to your newly created folder by typing: `cd workspace`.
5. Open your internet browser and log into GitLab, you should be able to see the repositories you have access to. Click on the repository that contains your name followed by **Student Code**.



6. Copy the clone command from your repository in GitLab:



7. Back on your GitBash terminal, type the words `git clone` followed by a space, then paste in the url you copied. It should look like this:

```
MINGW64/  
Andy@V-P130G002 MINGW64 /  
$ git clone https://git.techelevator.com/campuses/nlr/mar-22/java-blue/student-code/andy-chong-student-code.git
```

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

```
Andy@V-P130G002 MINGW64 ~/workspace  
$ git clone https://git.techelevator.com/campuses/nlr/mar-22/java-blue/student-code/andy-chong-student-code.git  
Cloning into 'andy-chong-student-code'...  
remote: Enumerating objects: 17, done.  
remote: Counting objects: 100% (17/17), done.  
remote: Compressing objects: 100% (10/10), done.  
remote: Total 17 (delta 2), reused 3 (delta 0), pack-reused 0  
Receiving objects: 100% (17/17), done.  
Resolving deltas: 100% (2/2), done.
```

8. Still within your shell application, navigate into the repository folder by typing:
`cd yourname-student-code` (instead of `yourname`, enter the name of your own repository folder).

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

9. Next, type the following command: `sh setup.sh`. You'll be prompted for some information: your name and email.

```
Enter your name (First Last): Andy Chong
Enter your email: achongsam@gmail.com

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

Configuring Upstream...
Done.
```

10. Still in Git Bash, type `git pull upstream main`. If you see the message “Already up to date”, you are done. **If you encounter a “403 error” see the section below.**

If no errors were encountered, you are done, move on to the next section.

** Some users might encounter a 403 Forbidden error. If that is the case, perform the following steps, then repeat the step where the error was encountered:*

1. On Windows Search, look for an application called “Credential Manager” (the icon looks like a safe).
2. On both sections (Web Credentials / Windows Credentials) remove any credentials related to or contain the word the word “git”.
3. Try again.

2. Bootcamp OS

What is Bootcamp OS

Bootcamp OS is your LMS (learning management system). This is where you will find the readings and quizzes for each day, as well as where you will upload the link for your exercises. You will receive an email that asks you to confirm your account:

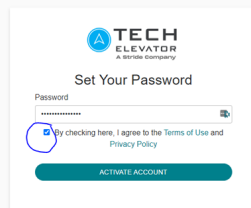
Confirm your account

Hi Margaret (student), you were recently registered for **Tech Elevator Mar 2022 NLR Java Orange**. Confirm your account by clicking on the button below.

Confirm Your Account

Trouble with that button? Copy this link and paste it in your browser:

When you click on the button, you will be asked to create a password. **You must check the box that says you agree to the terms and conditions:**



You should now be able to see the class modules that are currently set to public. As the days progress, more and more of these modules will be available.

Tech Elevator Mar 2022 NLR Java Green

Course Progress

Last Activity: [Variables and data types](#) > [Exercise](#)

^ Intro to Tools ● ● ● ● ●

Student guide

Discover the many ways you'll use the Bootcamp OS platform to learn during the course.

How do I...?

Learn how to perform common tasks that you'll do during the course.

File system and command...

Learn about the file system, command line, and basic commands to interact with the file system.

3. Slack



What is Slack?

Slack is a chat platform, but we also use it as an extension of the classroom. 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. Proper etiquette on slack means setting your name to the first and last name you use. (This is our workspace, so it's okay!) **You should also make it a habit to emoji posts you have read from the staff.** When you come back from a break, check up on the latest post so you are up-to-date.

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

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

- The pathway channel (nlr-12-pathway)
- The main class channel (nlr-12-general)
- A class specific channel (nlr-12-blue/green/orange/purple)
- The kudos channel (nlr-12-culturekudos)
- The homework help channel (nlr-12-homework-help)
- The IT support channel (nlr-12-it-support)

Note: Channels will not have these exact names.

Read our [Slack for Students guide](#) if you haven't used Slack before.

4. Google Drive



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.

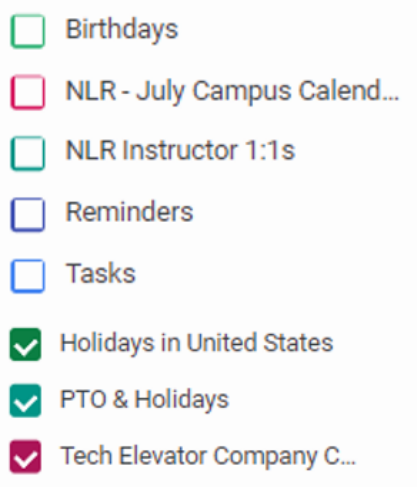
5. Google Calendar




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

	<p>here. On any given day, you'll use this to know what is covered or where you need to be.</p> <p>Verify you see the class syllabus calendar for your campus.</p> 
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6. Finish!

	<p>Now that you've finished...</p> <p>Great work! Walking through each of these tools and acclimating yourself with them will help during your first few weeks at Tech Elevator when there's much to learn!</p> <p>Please send your Instructor(s) a direct message (DM) in Slack to let them know you've completed this list.</p>
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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

Peripherals Recommendations

Headset/MICS

(The simpler, the better, here are some suggestions)

- Bluetooth - [Amazon 39.99](#)
- USB Wired - [Logitech Amazon - 24.99](#)
- Analog Wired - [Samsung AKG Amazon 9.00](#)

Mice and Keyboard

- Logitech Combo Kit - [Amazon 24.99](#)