

Unity Installation Guide



Updated: March 4th, 2024



Setup and Installation

There are three main components of a **Unity** installation.

- The **Unity Hub** manages projects and installations.
- The **Unity game engine** is used to create games.
- **Visual Studio Community 2022** is used to code scripts.

Individual ninja accounts for **Unity** and **Visual Studio** are not required for Ninjas. All project files are stored locally on the computer. You can use a USB-drive to store projects and transfer from computer to computer. Unity Collab, Unity's built in version control system, is not a free service.

You can use GitHub and GitHub Desktop to cloud sync unlimited projects for free. Dropbox or Google Drive are easier to use, but they do not efficiently handle syncing Unity projects because each contains thousands of files.



Downloading and Installing Unity Hub

1. Download **Unity Hub**. Do not download the beta version.
<https://unity3d.com/get-unity/download>

The screenshot displays the Unity website's 'Get started with Unity' section. It features three steps: 'Download the Unity Hub', 'Choose your Unity version', and 'Start your project'. The 'Download the Unity Hub' step includes links for 'Download for Windows', 'Download for Mac', and 'Instructions for Linux'. The 'Choose your Unity version' step includes a link to 'Visit download archive'. The 'Start your project' step includes a link to 'Access our Pro Onboarding Guide'. Below this, a large banner titled 'Download Unity' and 'Unlock your creativity' promotes the development platform, with a 'Download for Windows' button and a 'See other Unity Plans' link.

Get started with Unity

STEP ONE
Download the Unity Hub
Follow the instructions onscreen for guidance through the installation process and setup.

[Download for Windows](#)
[Download for Mac](#)
[Instructions for Linux](#)

STEP TWO
Choose your Unity version
Install the latest version of Unity, an older release, or a beta featuring the latest in-development features.

[Visit download archive](#)

STEP THREE
Start your project
Begin creating from scratch, or pick a template to get your first project up and running quickly. Access tutorial videos designed to support creators from beginners to experts.

[Access our Pro Onboarding Guide](#)

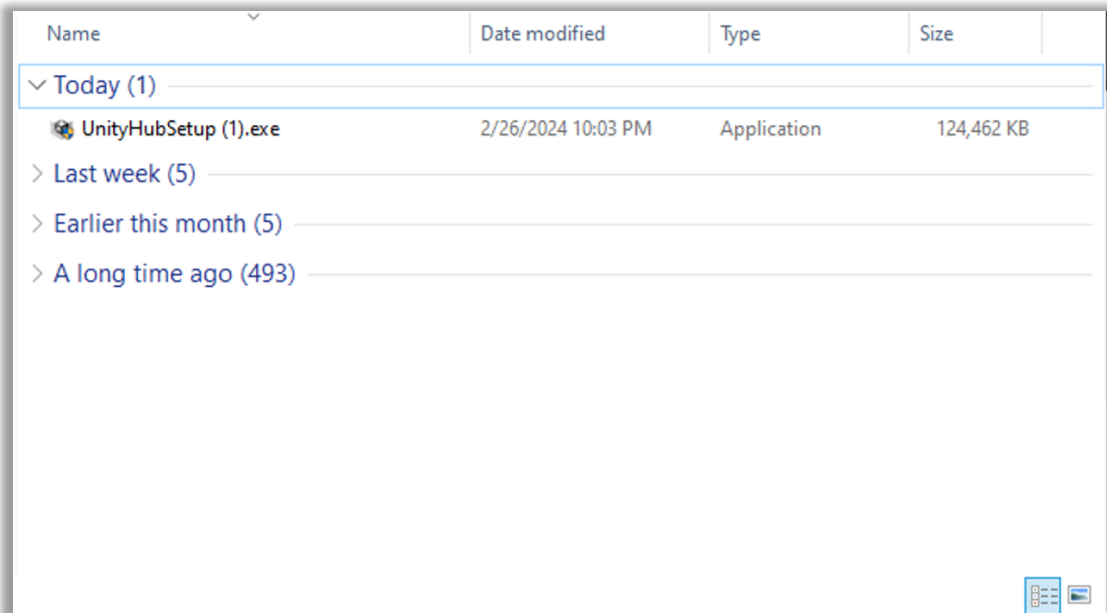
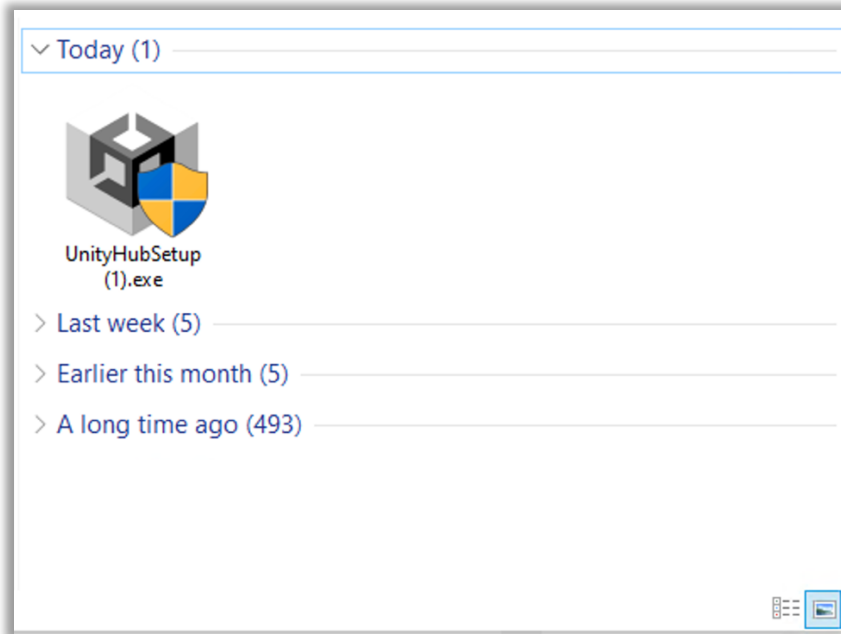
Download Unity
Unlock your creativity

Download the world's most popular development platform for creating 2D and 3D multiplatform games and interactive experiences.

[Download for Windows](#) [See other Unity Plans](#)

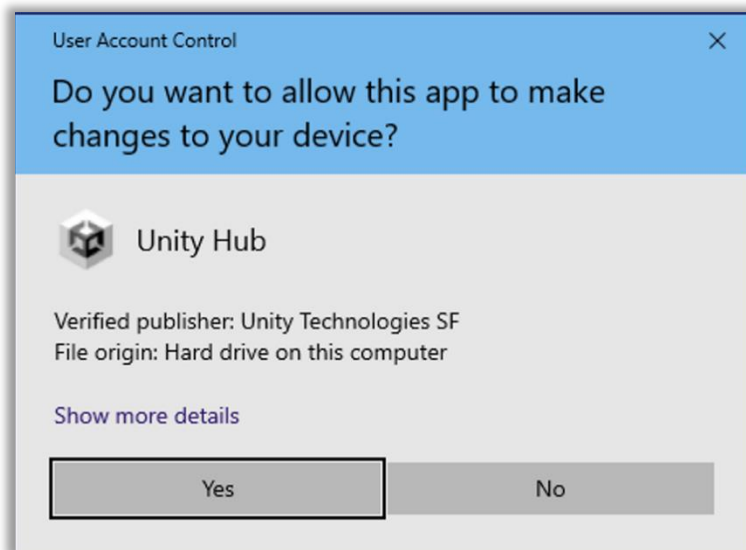


2. After the file downloads, find and run the executable by double clicking on the application.

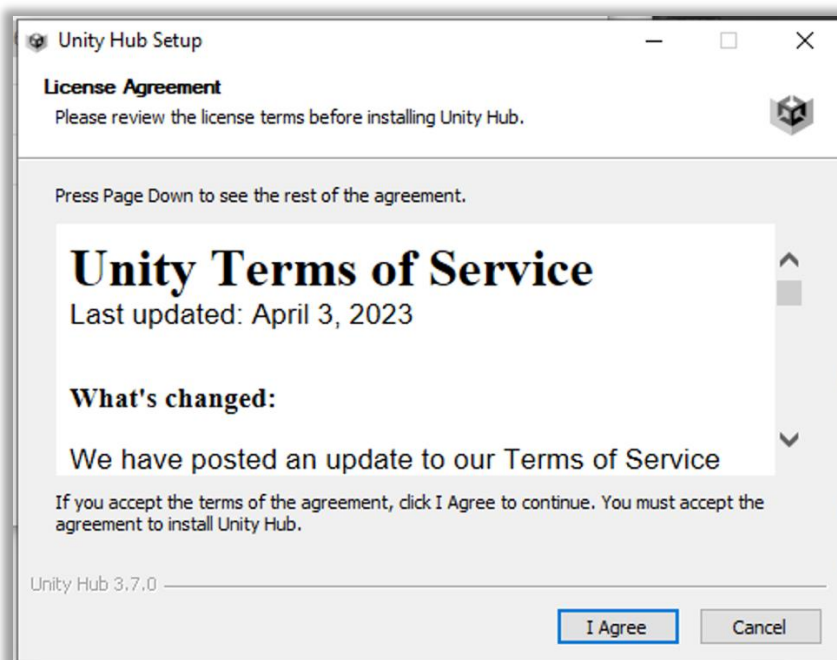




3. If the **Windows User Account Control** opens, click **Yes**.

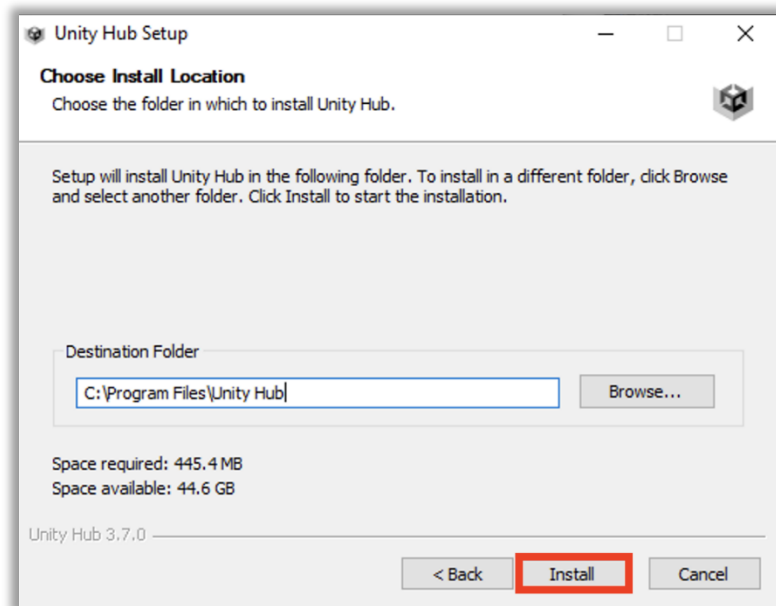


4. Review the License Agreement and click **I Agree**.

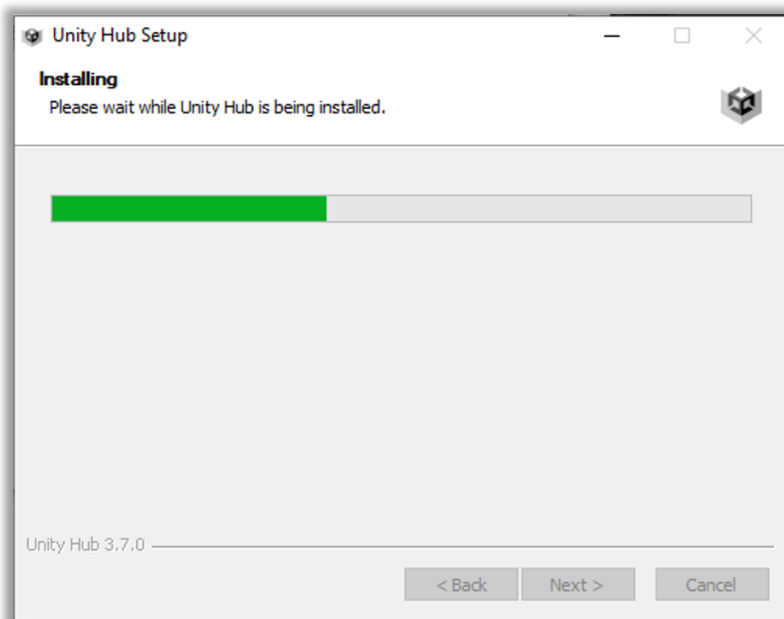




5. Keep the default destination folder and click **Install**.

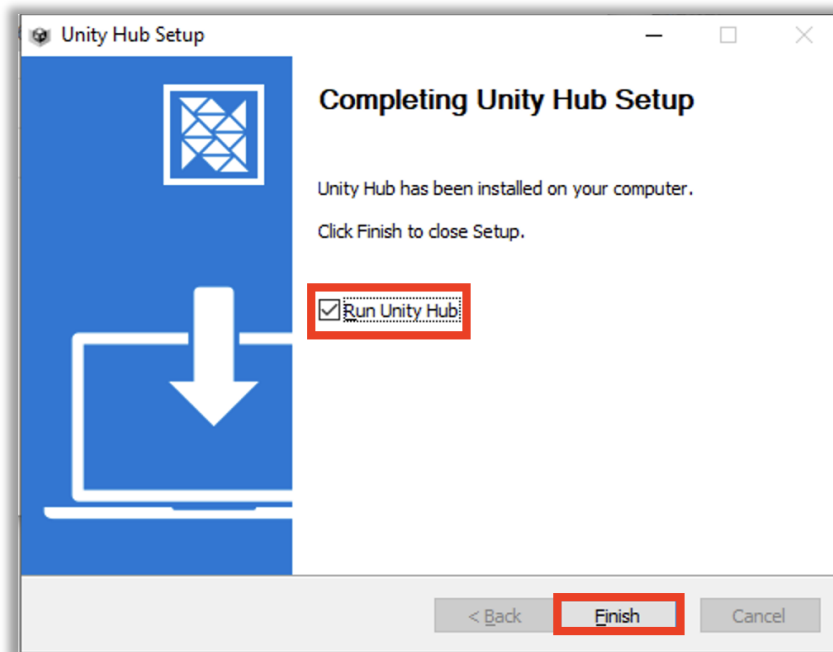


6. Wait for the installer to finish.

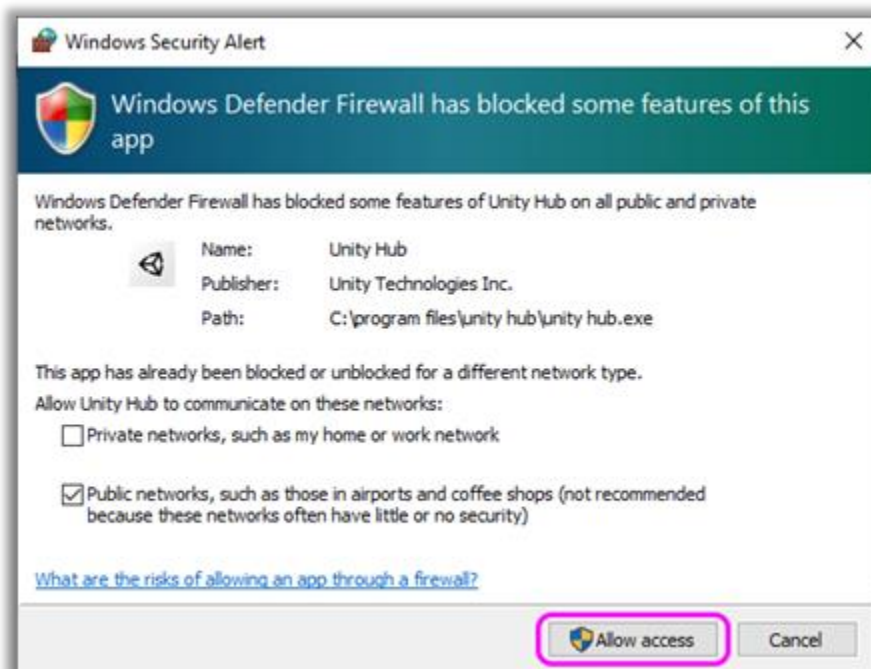




7. Check the box to run **Unity Hub** and click **Finish**.



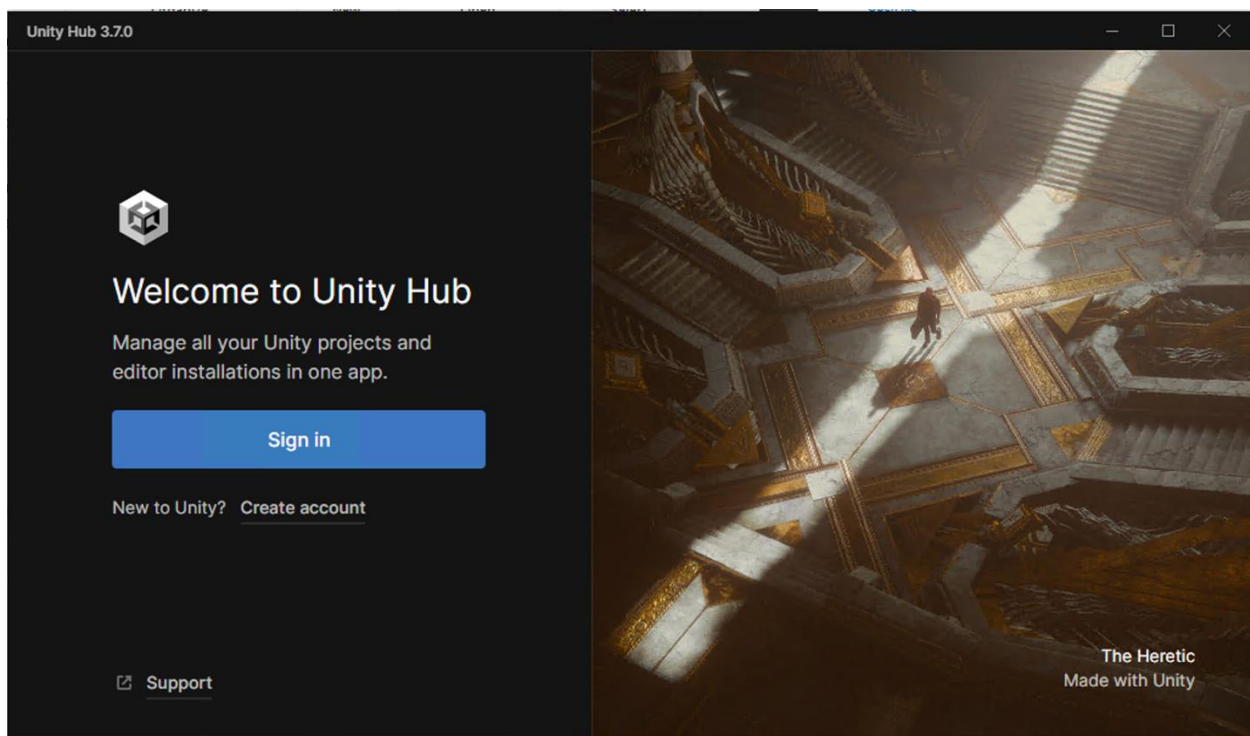
8. If **Windows Security Alert** opens, click **Allow access**.





Logging Into Unity Hub

Unity Hub requires a login to proceed to the screen where we can create games and look at versions. If your location already has a process for Unity accounts, you can select the sign in button. Otherwise, to learn about creating accounts, follow along below.



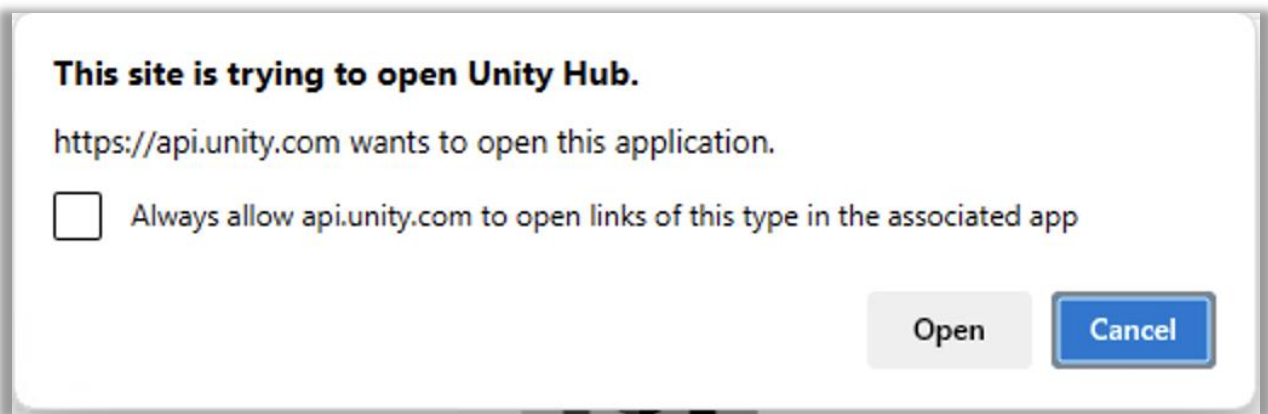


1. Click on **Create Account**. It will open the browser on your computer you have selected as default. This is the screen where you **Create a Unity ID**. You can either choose to fill in the details or you can log on using a Single sign-on (SSO) provider such as Google or AppleID.



2. Once you click **Create a Unity ID**, Unity will send you an email confirmation. Open it and confirm your email then return to the tab and click continue.

A message like the one below may appear depending on whether Unity was used in your location before on this specific device. The appearance of the message may differ depending on the browser used.

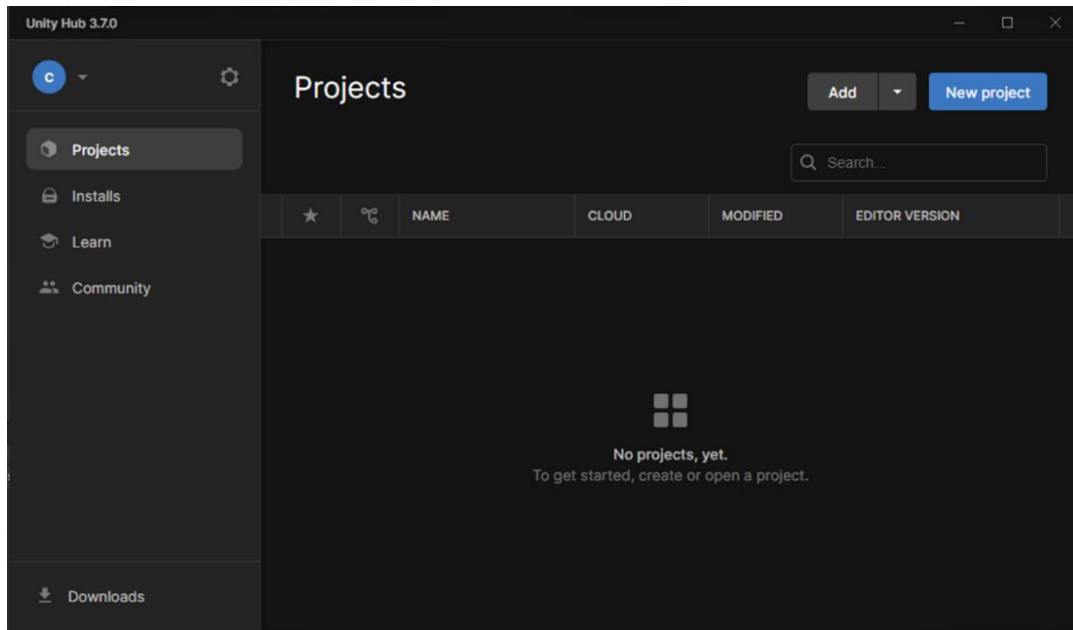




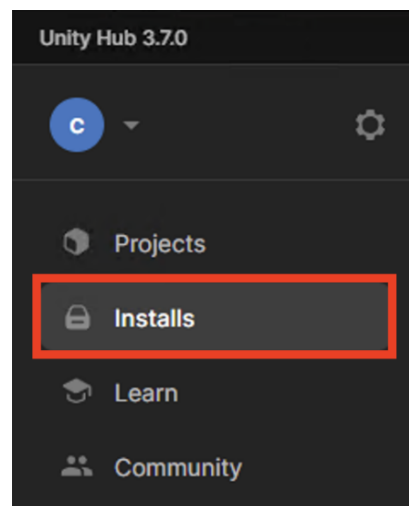
Installing Unity 2022.3 (LTS)

This is the same version of Unity utilized in all of Code Ninjas Unity belts.

1. Once **Unity Hub**, is signed in it will look like the below image.



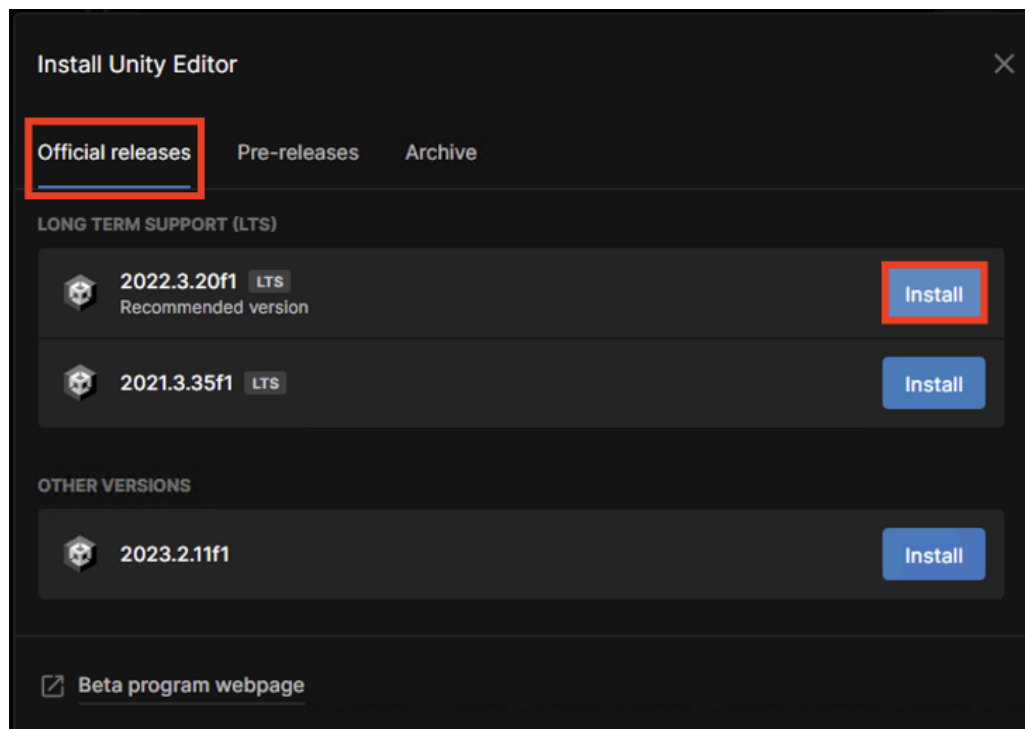
To install the version of Unity we need select the Install tabs on the left.





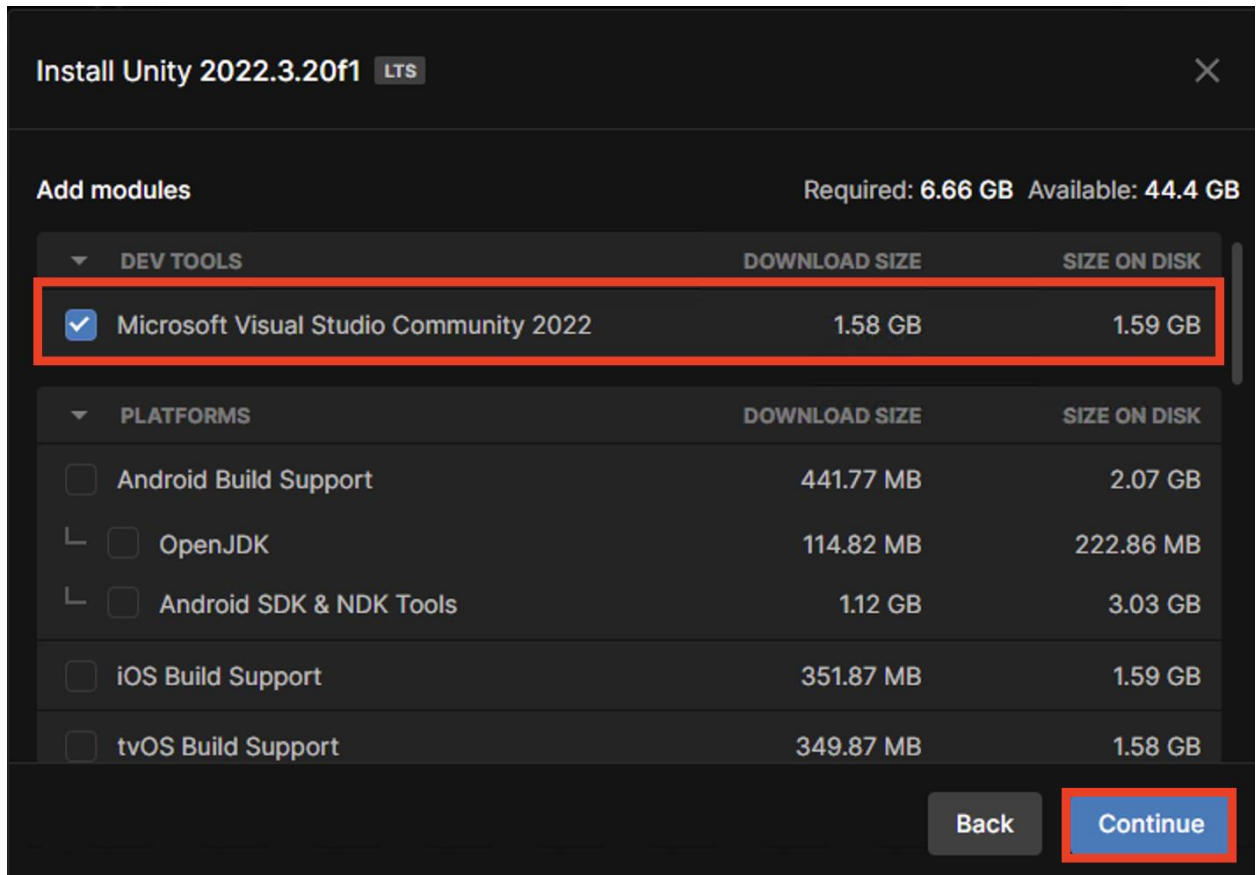
2. Once you select the installs tab, select the **Install Editor** button at the top. In the **Official Releases** window, select **Unity 2022.3 (LTS)**. Only the 2022.3 LTS version has been tested with Code Ninjas curriculum. The numbers after **2022.3** may not match the picture exactly but ensure that **LTS** is at the end of the picture.

Then, select **Install**.

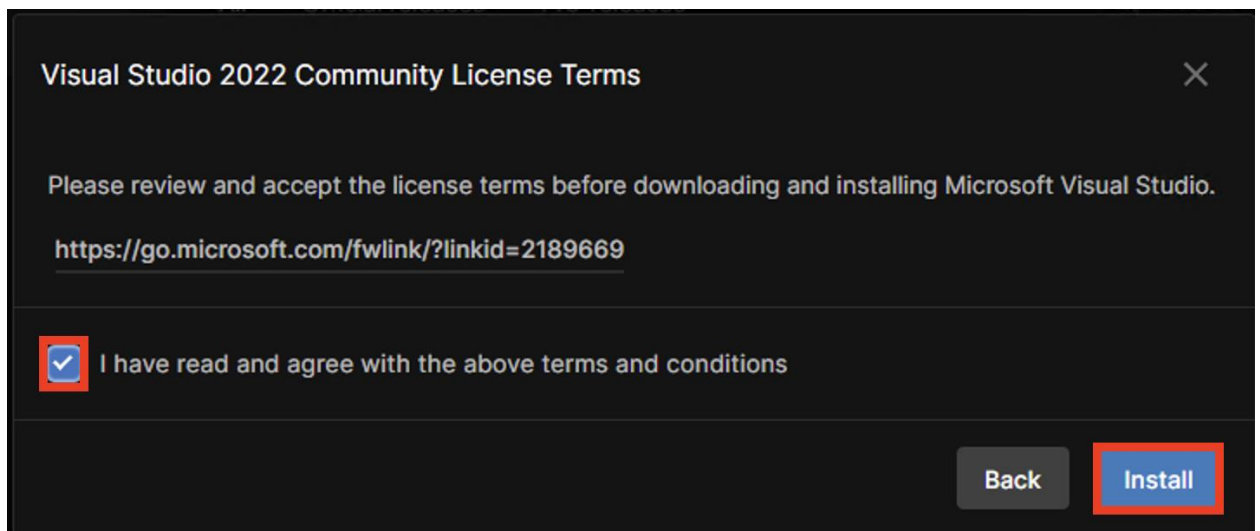




3. Select **Microsoft Visual Studio Community 2022** and click **Continue**.

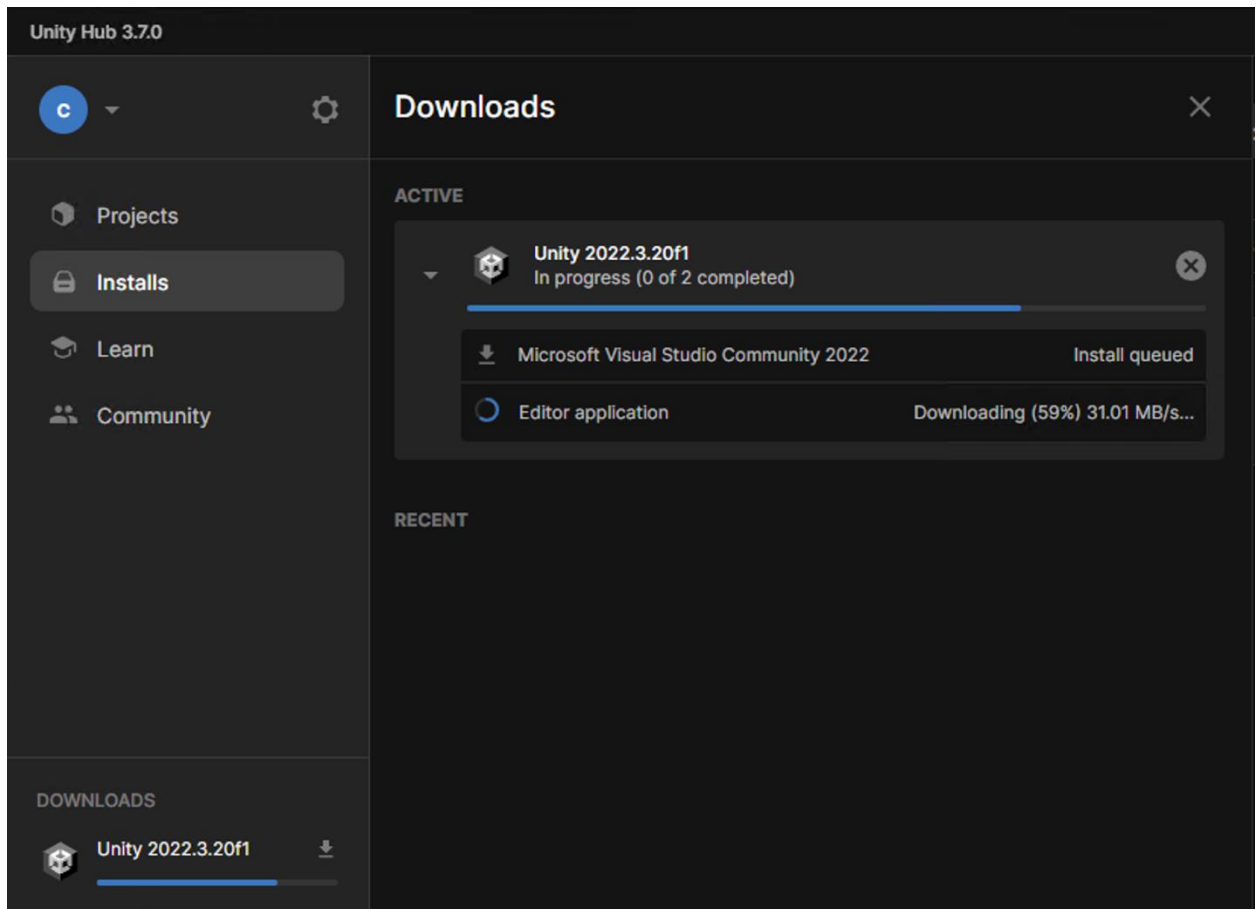


4. Accept the **Visual Studio** terms and conditions and click **Install**.



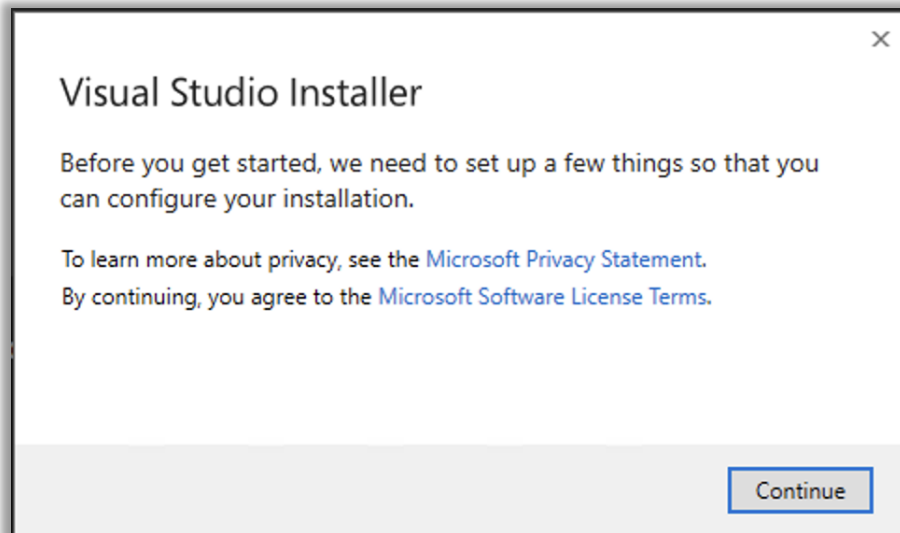


5. The installation will begin and may take 10 to 15 minutes depending on your Internet and computer speeds.

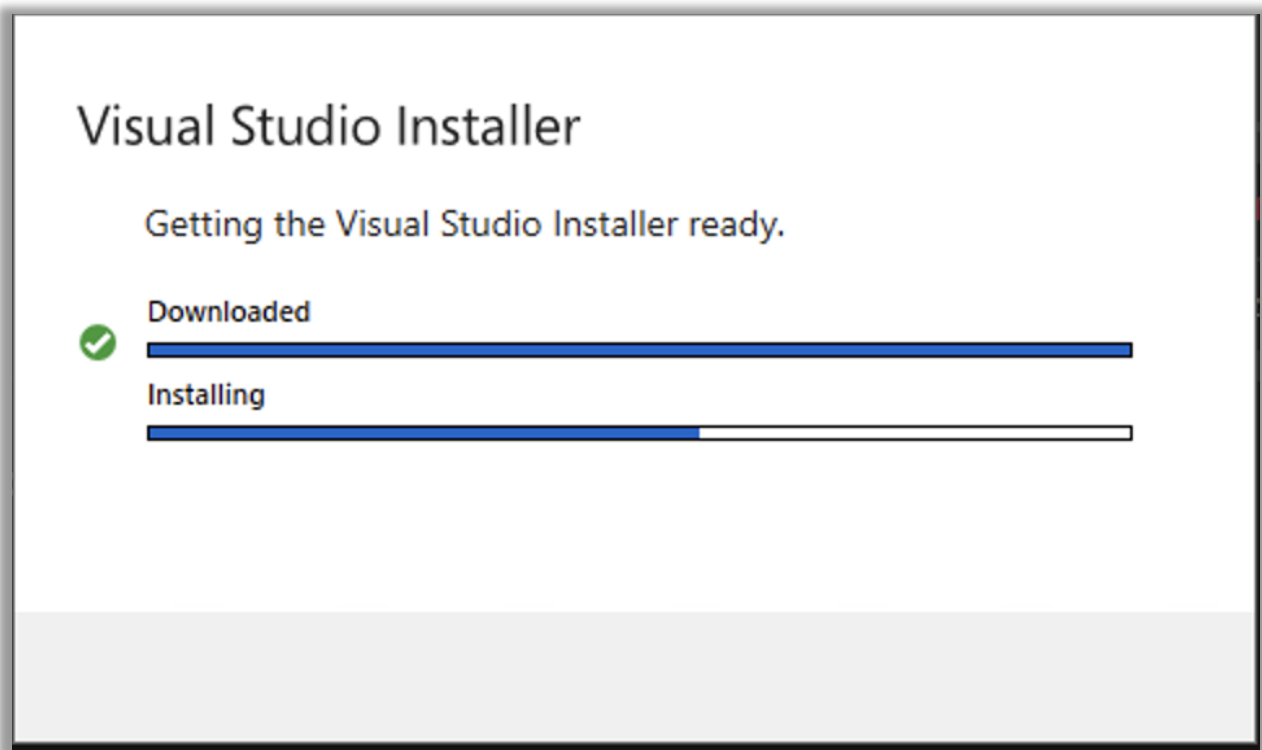




6. **Visual Studio** may require permission from you before it can begin to install. Select **Continue** if the popup below appears.

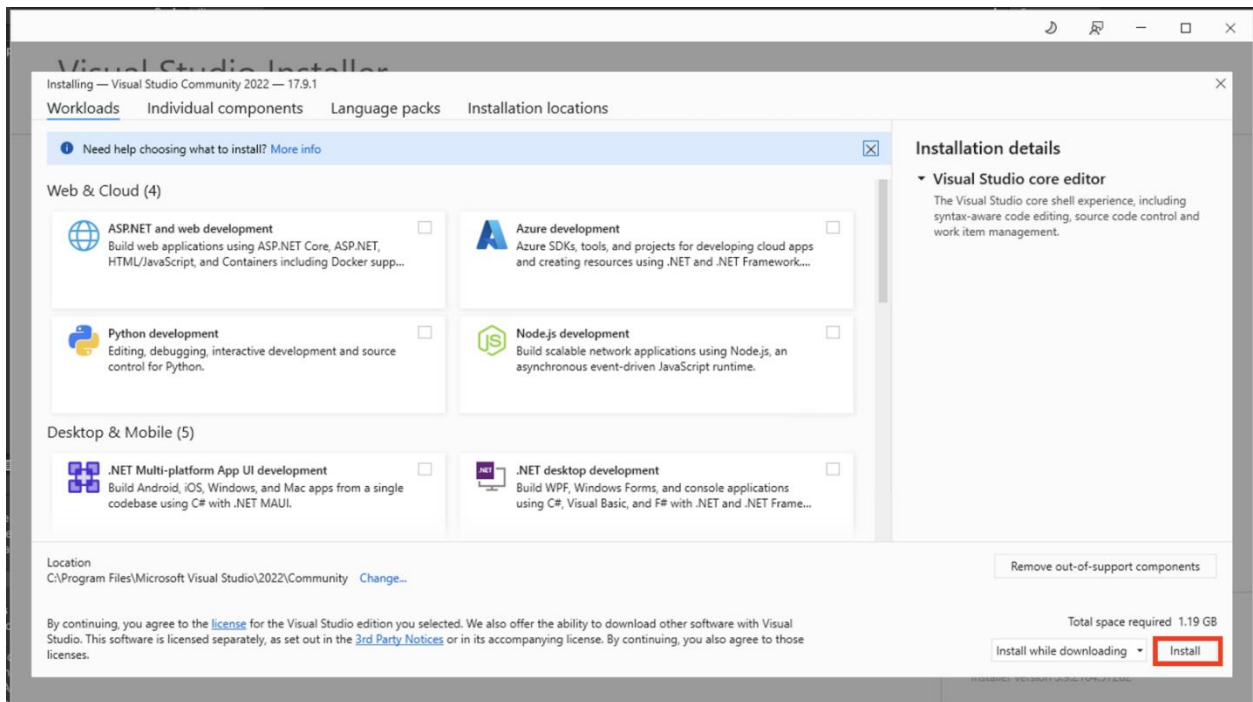


7. The **Visual Studio Installer** will begin if it is not already installed.

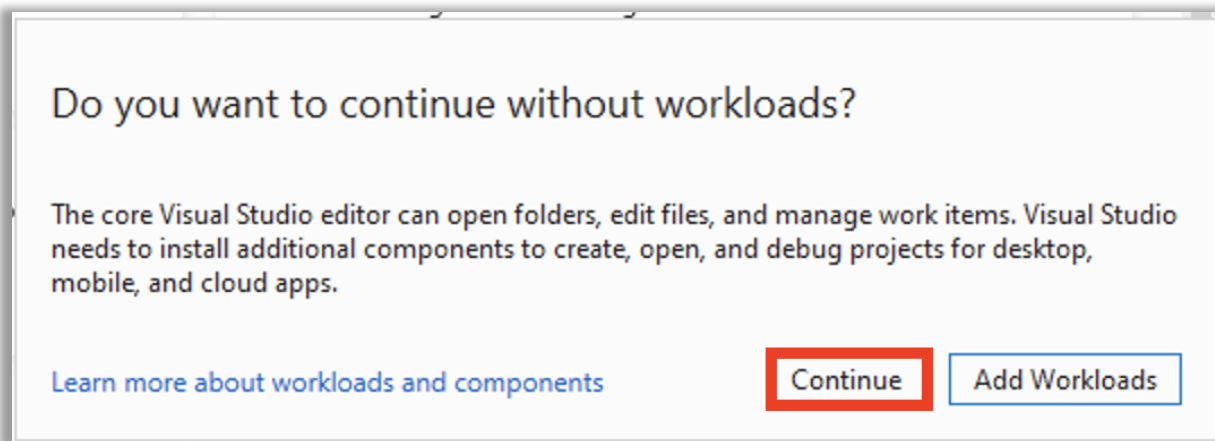




8. The **Visual Studio Installer** will appear, and it will preselect **Visual Studio Community 2022**. When the screen below appears, select the **Install** button.

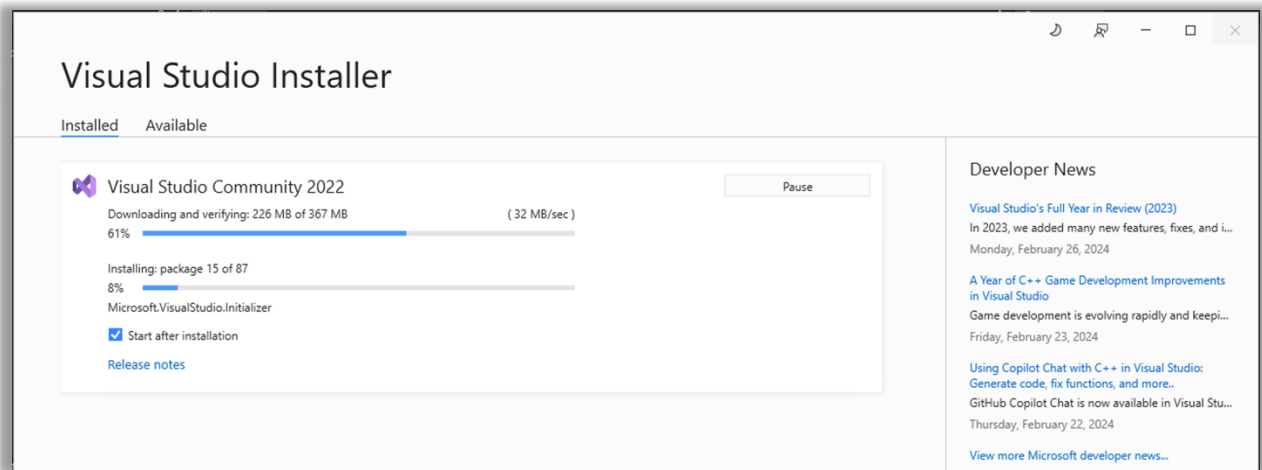


9. A popup will appear when you select the **Install** button asking if you would like to continue without workloads. Select **Continue**.





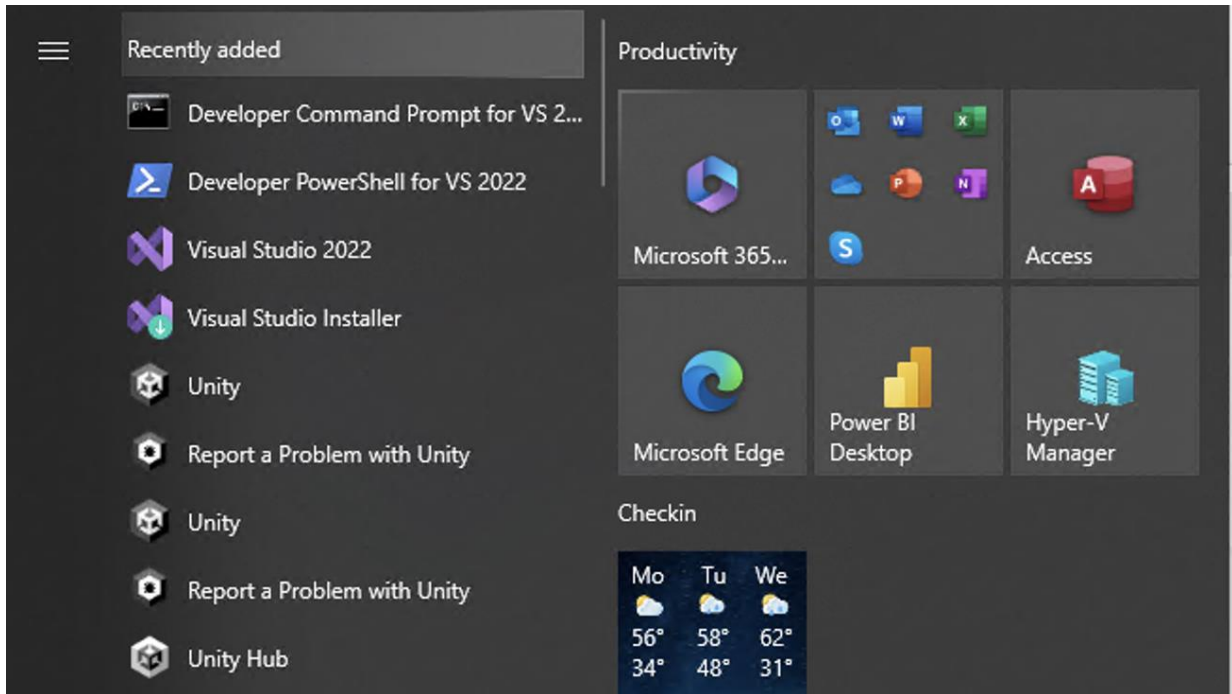
10. **Visual Studio Community 2022** will then begin to install.



11. Once Visual Studio Community 2022 has installed it will ask you to sign in. Either create an account or sign in using a Microsoft 365 account.



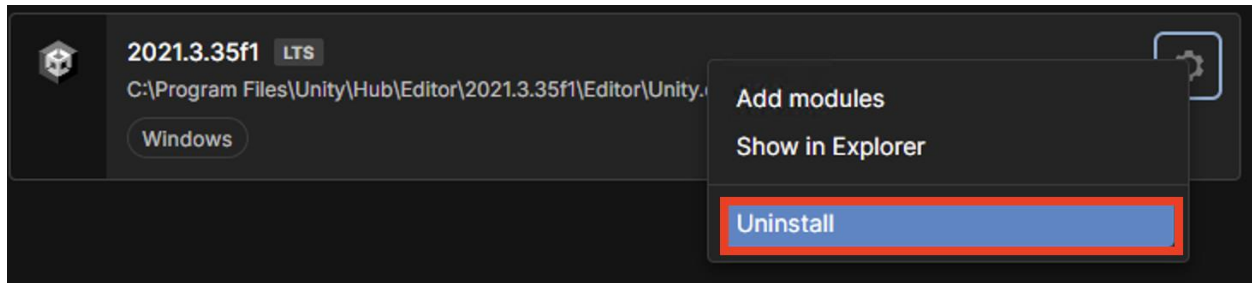
12. After your computer restarts, verify that the installations were successful by finding the programs in the **Start** menu. If your computer is on Windows 11, this menu may look slightly different.





Removing Old Versions of Unity

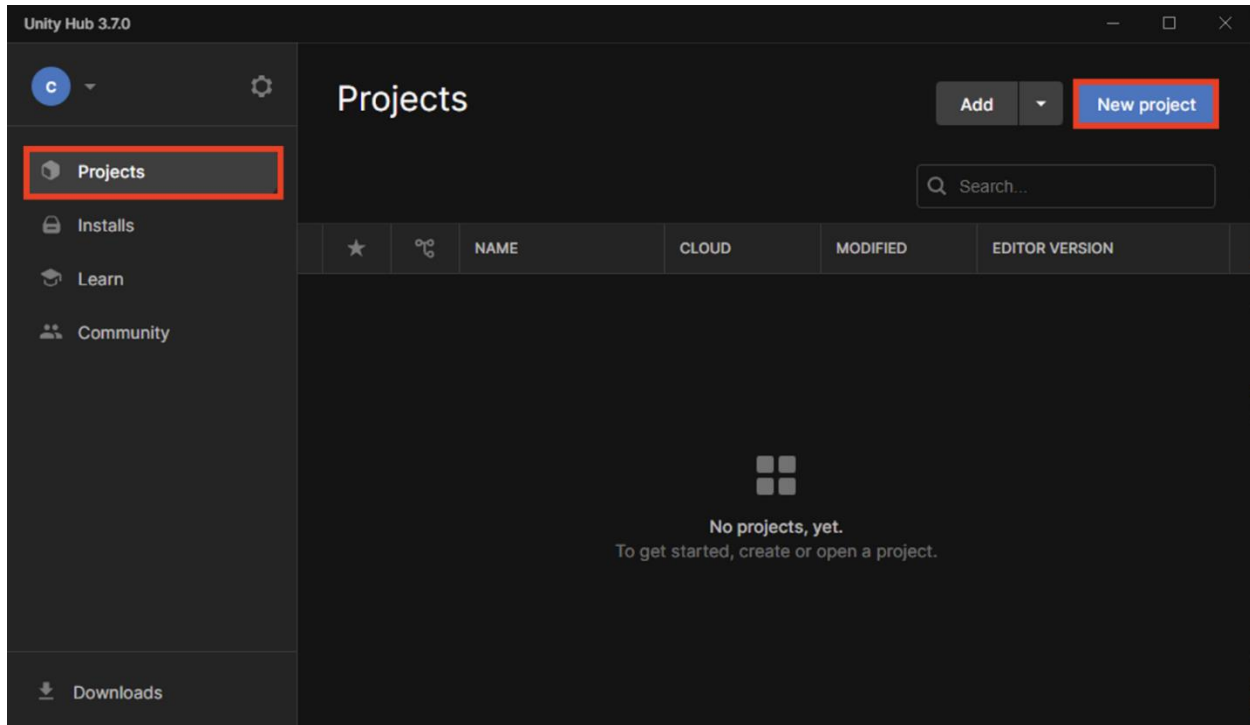
Remove old versions of **Unity** by clicking the gear icon and selecting **Uninstall**. Depending on the way that the Unity version was installed on your computer, you might need to locate the installation's folder on your computer and delete it manually.





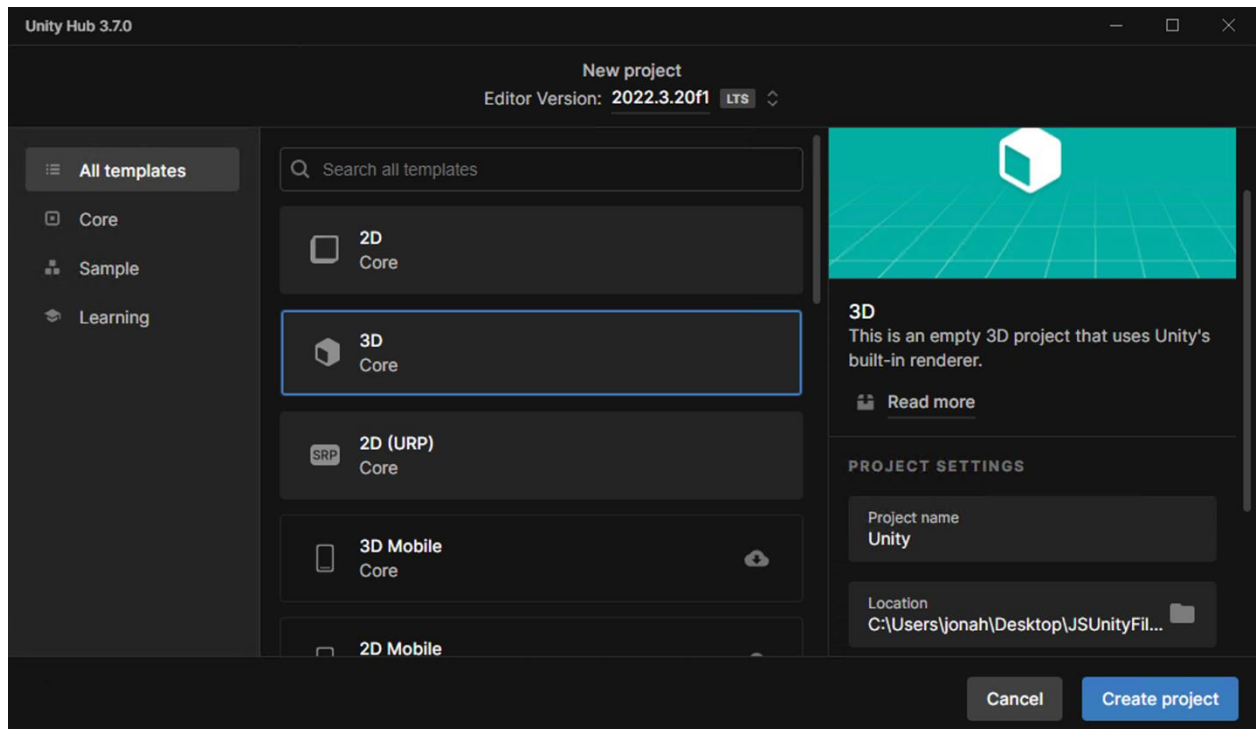
Creating a New Unity Project

Open the **Projects** tab and click the **New Project** button to start a new **Unity project**.



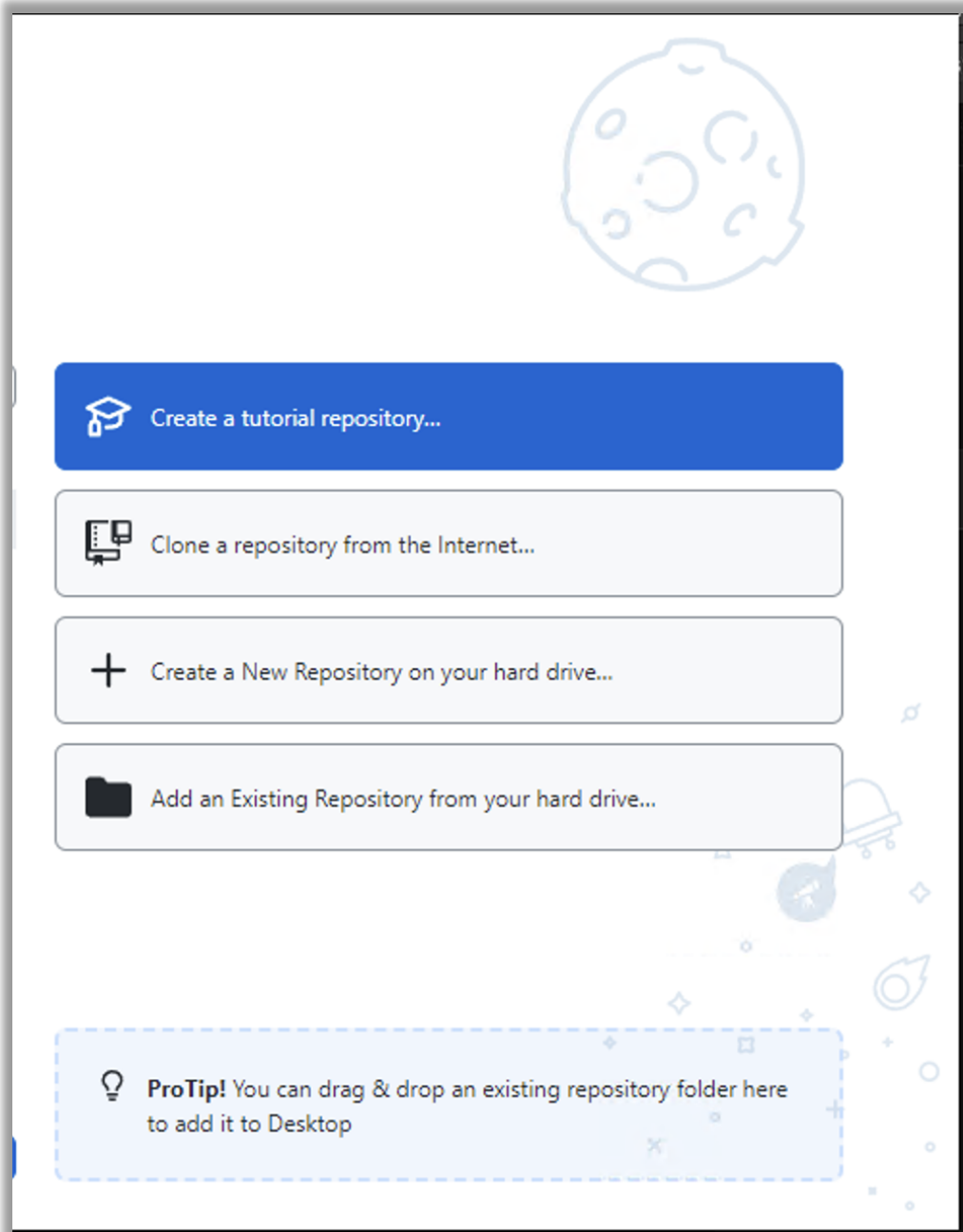


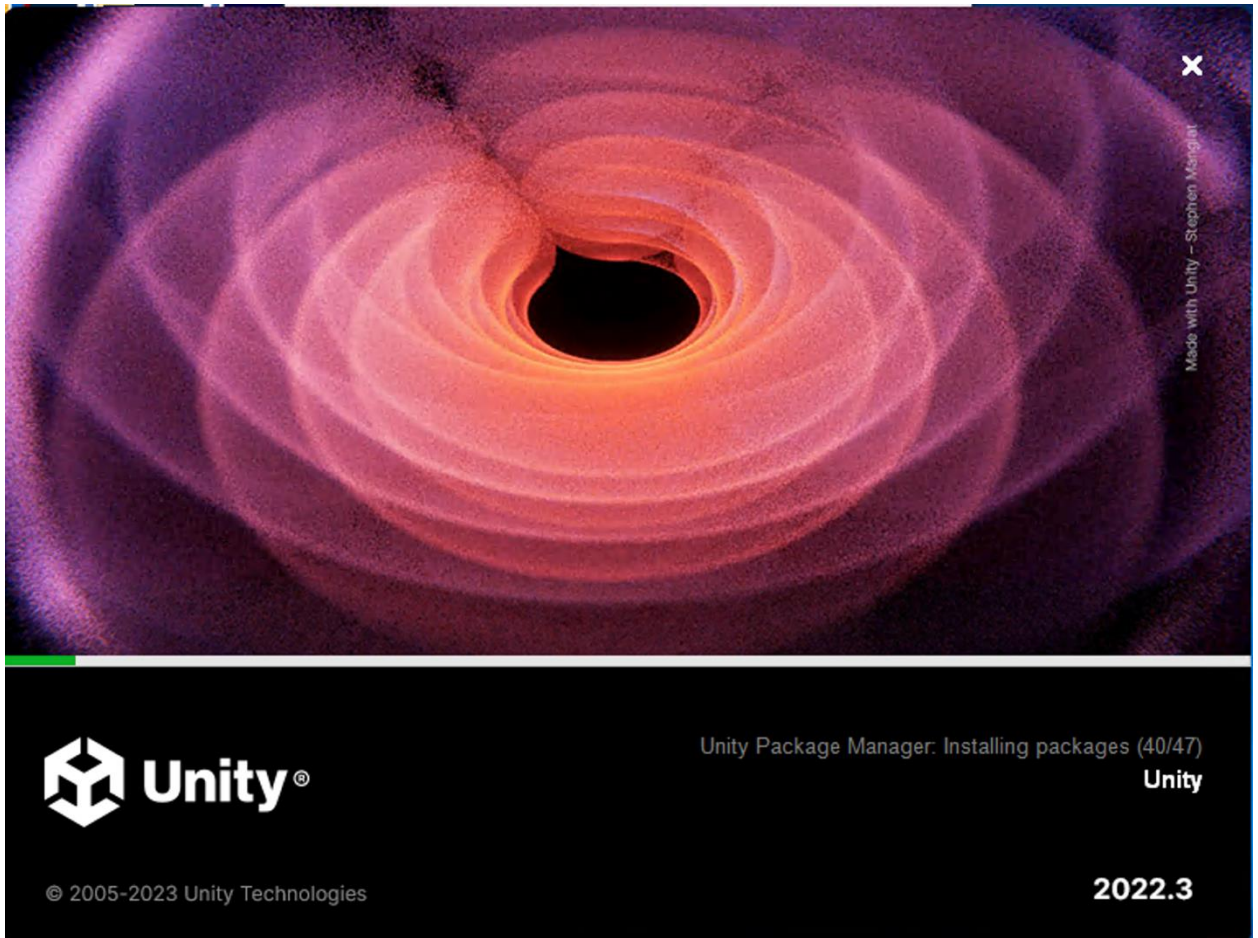
1. Give the project a name and specify a location that is easily accessible. Ensure that the Editor Version at the top reads 2022.3. The templates window in the middle is where you will select between 2D and 3D.





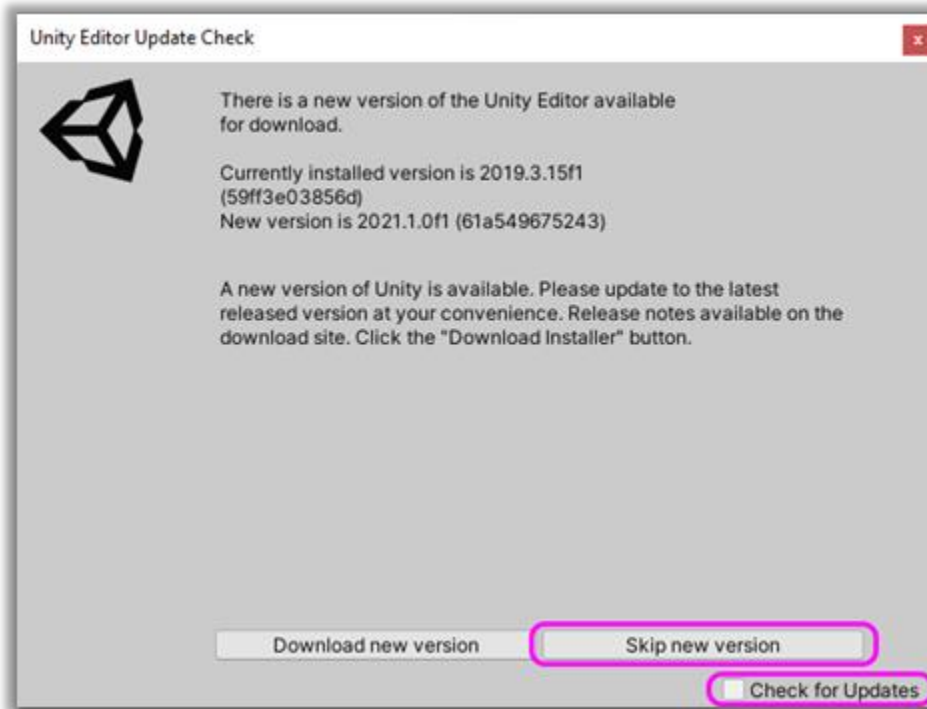
2. Wait for **Unity** to initialize your project.







3. To ensure compatibility with the curriculum, uncheck **Check for Updates** and click **Skip new version**.



4. The **Unity editor** is where Ninjas will program their games.

