# 10MCOD U3: Organisation and Resources
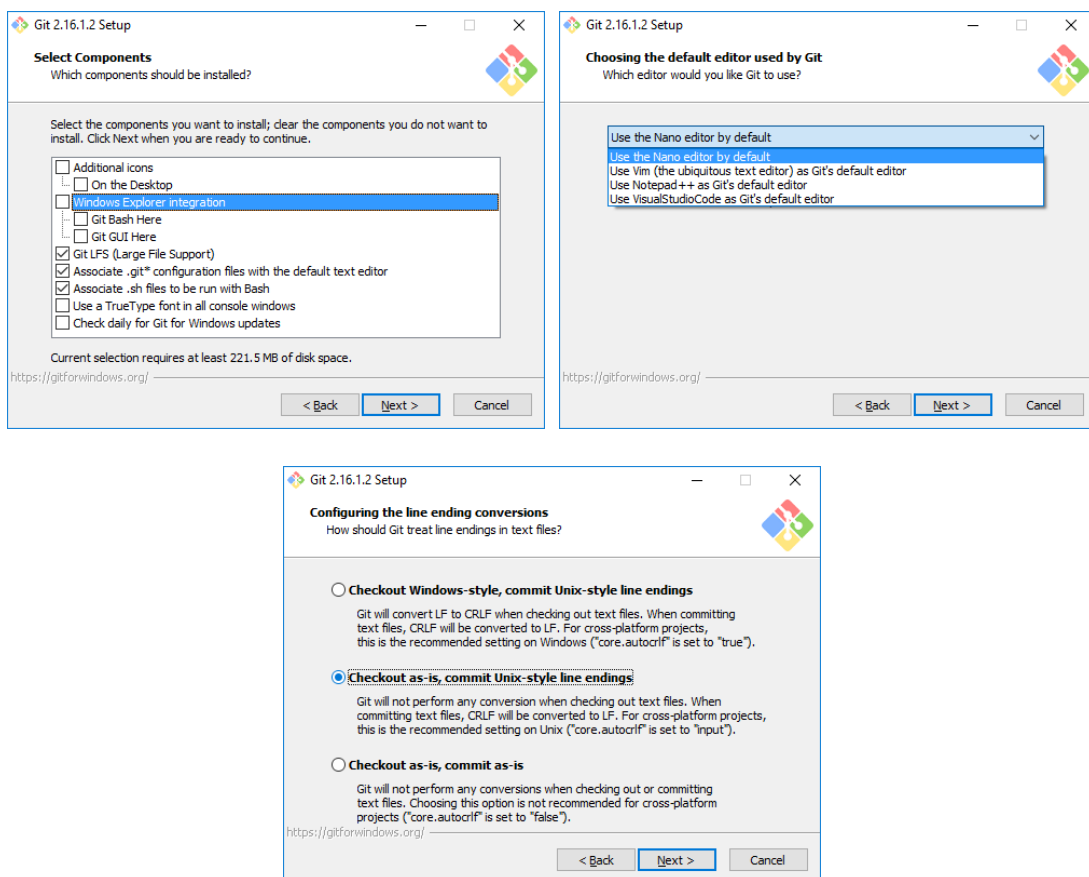# Getting Started with Git and GitHub

In our next unit, we are looking at ways to increase our organisation and productivity as programmers. We will be installing a few new pieces of software. This software can be found on our GitHub page:
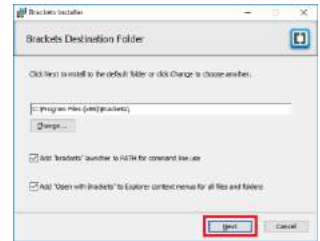https://github.com/NorthcoteHS/10MCOD/tree/master/resources/software

1. **Git**
   - Download git*.exe (Windows) or git*.dmg (Mac) **from the GitHub page**
     - this will not consume any data quota
   - If installing on Mac, use all default settings
   - If installing on Windows, **change these settings:**
     - Remove "Windows Explorer integration"
     - Change default editor to Nano (not Vim)
     - Choose "Checkout as-is, commit Unix-style"

   - to test, you can open cmd (Windows) or Terminal (Mac) and type "git" and enter
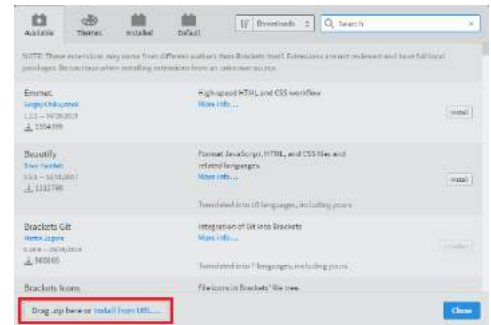
2. **Brackets**
   - Download Brackets*.msi (Windows) or Brackets*.dmg (Mac) **from the GitHub page**
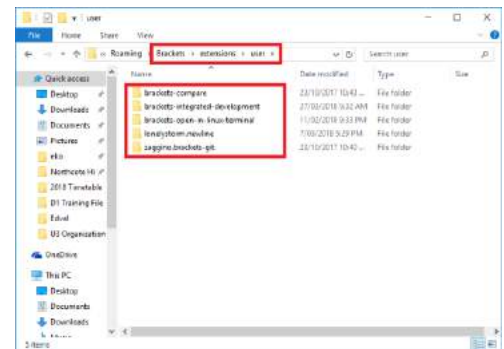     - this will not consume any data quota
   - Use all default settings

3. **Brackets Extensions**
   - On a school computer:
     - Go to **software/Brackets/extensions/** and download all zip files
     - Open Brackets, then File -> Extension Manager…
     - Wait for it to load, then drag each zip to the "Drag .zip here" area at the bottom-left of the window
     - Follow instructions below for specific extensions
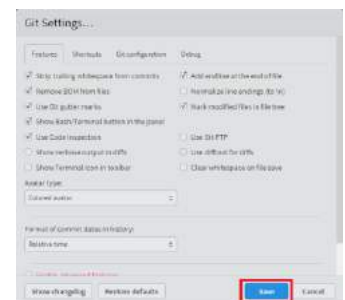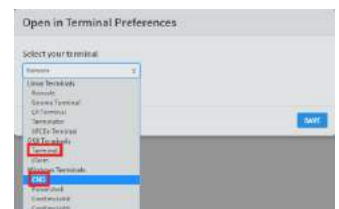
   - On your own computer:
     - Go to **software/Brackets/** and download **extensions.zip**
     - On your computer, extract extensions.zip (Right-click -> Extract all…)
     - Open Brackets, then Help -> Show Extensions Folder
     - Click into the **"user"** subdirectory
     - Move all the folders you extracted from extensions.zip into the **extensions/user** directory
     - Restart Brackets
     - Follow instructions below for specific extensions

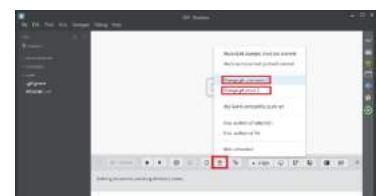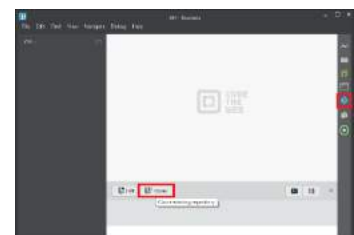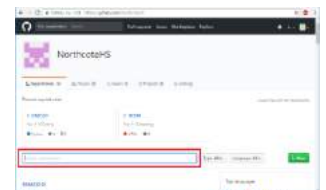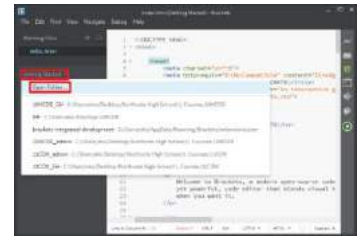**Brackets Extensions options:**
   - **Open in Terminal**
     - Click the "Select your terminal" drop-down
     - On **Windows**, choose "CMD"
     - On **OSX**, choose "Terminal"

   - **Brackets-Git**
     - Use default settings and click "Save"

   - **All other extensions**
     - Use default settings

# GitHub

Finally, we will be connecting your computer to your own personal GitHub repository! This "repo" will live online, and you are able to sync it with your computer by "pushing" and "pulling". To get set up on GitHub:

1. Get Brackets ready:
   - Open Brackets (which you just installed)
   - Change your Project by clicking "Getting Started" on the left, then "Open Folder…"
   - Navigate to your 10MCOD folder, create a **new folder inside 10MCOD** called **GH**, and click "Select Folder"



2. Create a GitHub account:
   - Go to https://github.com/ and choose "Sign up for GitHub"
   - Choose a *school-appropriate* username and use any email address
   - Once created, go to "Settings" and set your name (use your full first and last name)



3. Find your personal repository:
   - Go to https://github.com/NorthcoteHS
   - Search for your name in "Search repositories"
   - Click the link for your repo



4. Get ready to clone:
   - Click "Star" at the top
     - This is so we can add you as an owner of this repo
     - **Watch your email** in the next few days and accept the invitation to become a collaborator!
   - Click the Green "Clone or download" button on the right
   - Click the 📋 "Copy to clipboard" button beside the URL



5. Clone your repository:
   - Open Brackets
   - Open the Git extension (click the 🔷 Git button on the right)
   - In the "Git tray" at the bottom, click the "Clone" button
   - Enter the URL you just copied (Ctrl-V or Cmd-V to paste)
   - Hit OK (no need for Username/Password)



6. Setup your Git username and password:
   - In the Git tray, click the ☰ hamburger icon
   - Click "Change git username" and enter your full (first and last) name
   - Click "Change git email" and enter the email you used for GitHub



7. Configure upstream:
   - In the Git tray, click "origin" then "Create new remote…"
   - Name it upstream (no capitals), and use this URL: https://github.com/NorthcoteHS/10MCOD.git



**Congratulations, you are finally done with the software setup!**