

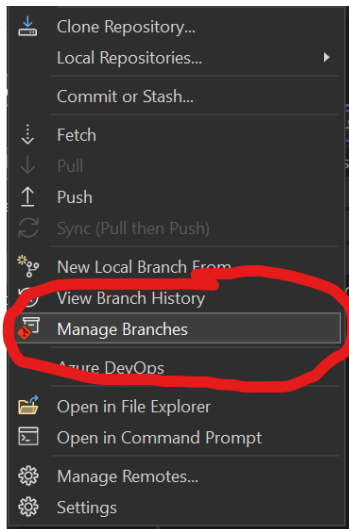
Git Cheat Sheet

Clone the Repo to your Machine

- Recommended Method via Visual Studio-
- <https://docs.microsoft.com/en-us/visualstudio/version-control/git-clone-repository?view=vs-2022#browse-to-and-then-clone-an-azure-devops-repo>

Before anything else, you need to change your branch to the dev branch, not main!

- Via Visual Studio- Select the Git Dropdown Menu, then click Manage Branches..



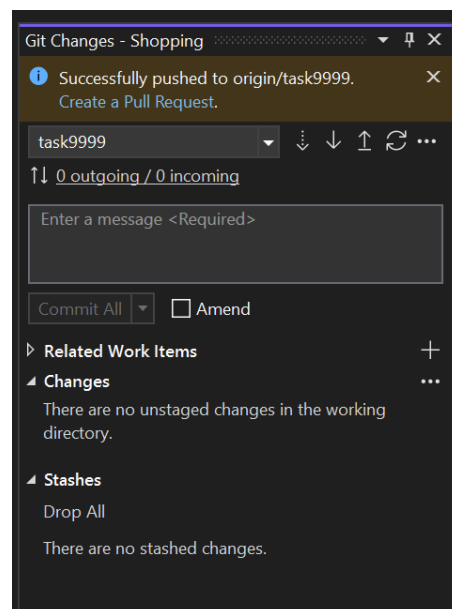
- Then just double click the dev branch to change your current branch.

Starting a new task? Create a new branch!

- Via Visual Studio -
- Simply select the Git Dropdown Menu, then click New Branch.
- Type in a branch name, I recommend task1, task2 and so on based on the task number Azure DevOps generates in the Sprints Taskboard. You can of course choose anything, but please just make sure it's unique and the name is related to the task you're accomplishing.
- Now you've created a new branch based off of the dev branch and it's time to make your changes! Code away!

Done with a task? What now?

- At the bottom right, to the right of the Solution Explorer tab, click Git Changes.
- Type in a commit message explaining everything you've changed or added to the program in the greatest amount of detail you can (Frequent commits help make this so it's easy to remember and helps make solving bugs easier!).
- Now click the button with Arrow pointing up to Push your changes to the server.
- Once done, this means your changes have been saved to the task branch on the Azure DevOps server.
- Now we need to create a Pull Request to merge this into the Dev branch!
- Simply click the "Create a Pull Request" link to open up Azure DevOps in your browser.



New pull request

task9999 into dev

Overview Files 1 Commits 1

Title









Example task and change.

Description

Example task and change.

[Markdown supported.](#) Drag & drop, paste, or select files to insert.

[Link work items.](#)

@ #     **B** *I* `</>`    

Example task and change.

Reviewers

Add required reviewers

 Search users and groups to add as reviewers

Work items to link

Search work items by ID or title

Tags

Create



- Now fill in your pull request.
- At the top, it should be your task branch going into the dev branch.
- The Title and Description should be filled in already for you by your commit message, but feel free to clean this up or add more detail if you forgot something.
- You can leave Reviewers blank, as it requires me and at least more person to review the code before it's merged (this can be me and you but could also be someone else if you believe someone else should review your code. For

example, if you update something that could affect someone else's code, this will be a great way to give them a heads up about the changes you made.)

- You can link the Work items to specifically show this is how you are completing the task for the current sprint.
- And that's it! Just hit create and wait for it to be reviewed!