

VSCode Extensions

Preparation

- Check out and install the extensions/settings in the slides.
- Be prepared to guide students who need help installing VSCode.
- Know how to access VSCode's settings and extensions.

Troubleshooting and Tips

The link to install VSCode is: <https://code.visualstudio.com/download>

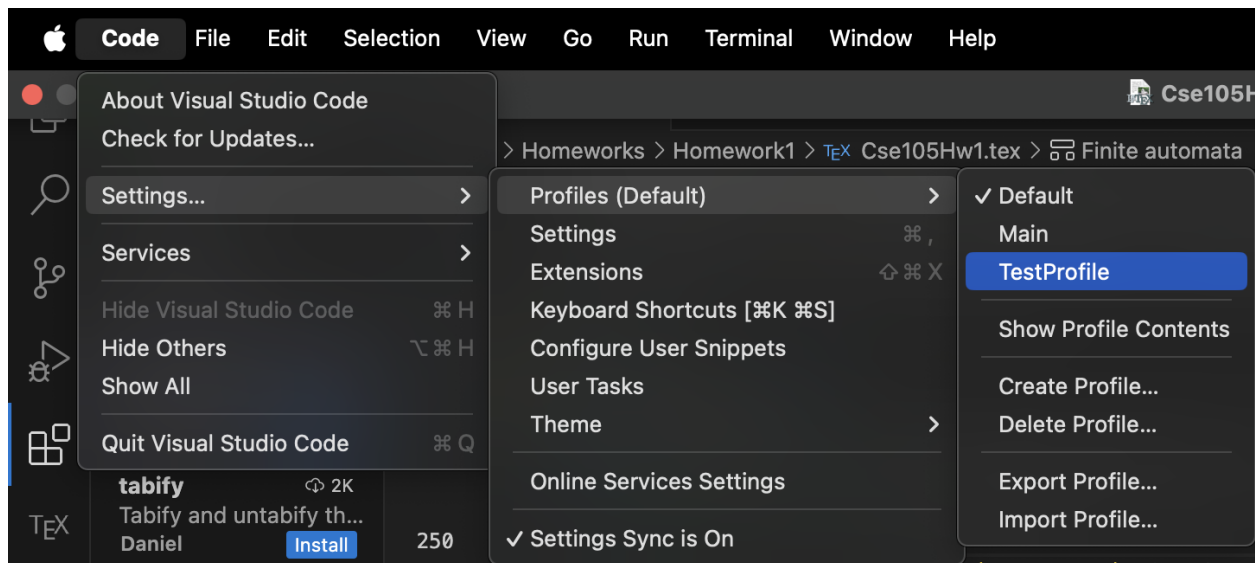
Keyboard shortcuts

Command Palette: Ctrl+Shift+P on Windows, Cmd+Shift+P on Mac

Settings: ?????????? on Windows, Command+, (comma) on Mac

Extensions: Use the extensions button on the left hotbar

If you already have a really cool VSCode setup going, or want a blank slate for demos, make a new profile in VSCode settings, as screenshotted below:



This will reset everything from themes to extensions, giving an excellent space for demos.

If you want some sample files to get started,

here is a link to mostly empty files and folders and a simple Java program:

https://drive.google.com/file/d/1qcyuEqJMOSeMg5GahzmXxhxDvEP_GAsS/view?usp=sharing

This is also linked at the bottom of the lesson overview slide.

If an extension does not appear to exist / or is not working,

move on, or if pre-session, hide the slide. Lengthen the talk/demo on other things.

Goals and Outcomes: PACE-internal

- Give students an opportunity to better understand the programming tools they are using.
- Teach students tips to increase their productivity with VSCode/programming.
- Give students opportunities to appreciate the customization of VSCode.

Goals and Outcomes: Student-facing

- I will have a better sense of what VSCode is capable of.
- I will know how to install VSCode Extensions and configure their settings.
- I will have a new, more customized VSCode experience.

Script

Intro/Icebreakers (10 minutes)

First introduce yourself as the LPM.

Write your name on the whiteboard, your contact info, and the CSE-PACE URL.

Give the students a chance to make the trifold name tags and display them.

After that, do a short icebreaker, perhaps in small groups to save time compared to going around the room.

Introducing the Lesson (5 min)

Ask students what their favorite text editor is; bring up your own experience perhaps about not knowing IDEs to make students that are unfamiliar feel comfortable. For example, I (Emily) used to use Google Docs to share code before I knew how to use Github.

Ask students if they are familiar with VSCode, the text editor.

Today's session is all about exploring the customizability of VSCode.

Ask students to use the link to get a sample file to check out the features in, or prompt them to open up a PA to see the extensions in action.

Introducing the Lesson (20+ min)

Ask students if there are any extensions/customizations that they think would be useful or fun to have?

Go through the extensions listed in the Slides. Ask students to try them out.

You can prompt further discussion by asking:

- If you could make any extension that we have not yet seen, what would you make?
- How do you think people make these extensions?

Encourage students to play around with the extension, and if interest is high, discuss in pairs.

If students are having trouble using the extension, consider sharing your screen and doing a demo of how you would use this extension. For example, consider opening a simple Java file or recent PA that would showcase the extension.

Mingle + Food Outside (20 min)

- At HH:MM, take your group downstairs for food/snacks with the whole group

Post-session

- Check in with the student(s) who you noticed might need more support during session (e.g. Looked overwhelmed/lost etc).