ENR145 Computational Methods
Digital toolbox: GitHub and webpage hosting

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Brain storming session:

- What site would be fun to build in class?
- Let’s generate a list of 3~5 together.

Portals to detailed guides and documentation:

GitHub docs

https://docs.github.com/en/get-started

GitHub pages

https://docs.github.com/en/pages/

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Backstage of a GitHub site:

https://xlicoe.github.io/Base_Systems_Abacus/

GitHub Pages is a static site hosting service that takes

- **HTML**
- **CSS**
- **and JavaScript**

straight from a **repository** on GitHub, optionally runs the files through a **build** process, and **publishes** a website.

You can see examples of GitHub Pages sites in the GitHub Pages examples collection.

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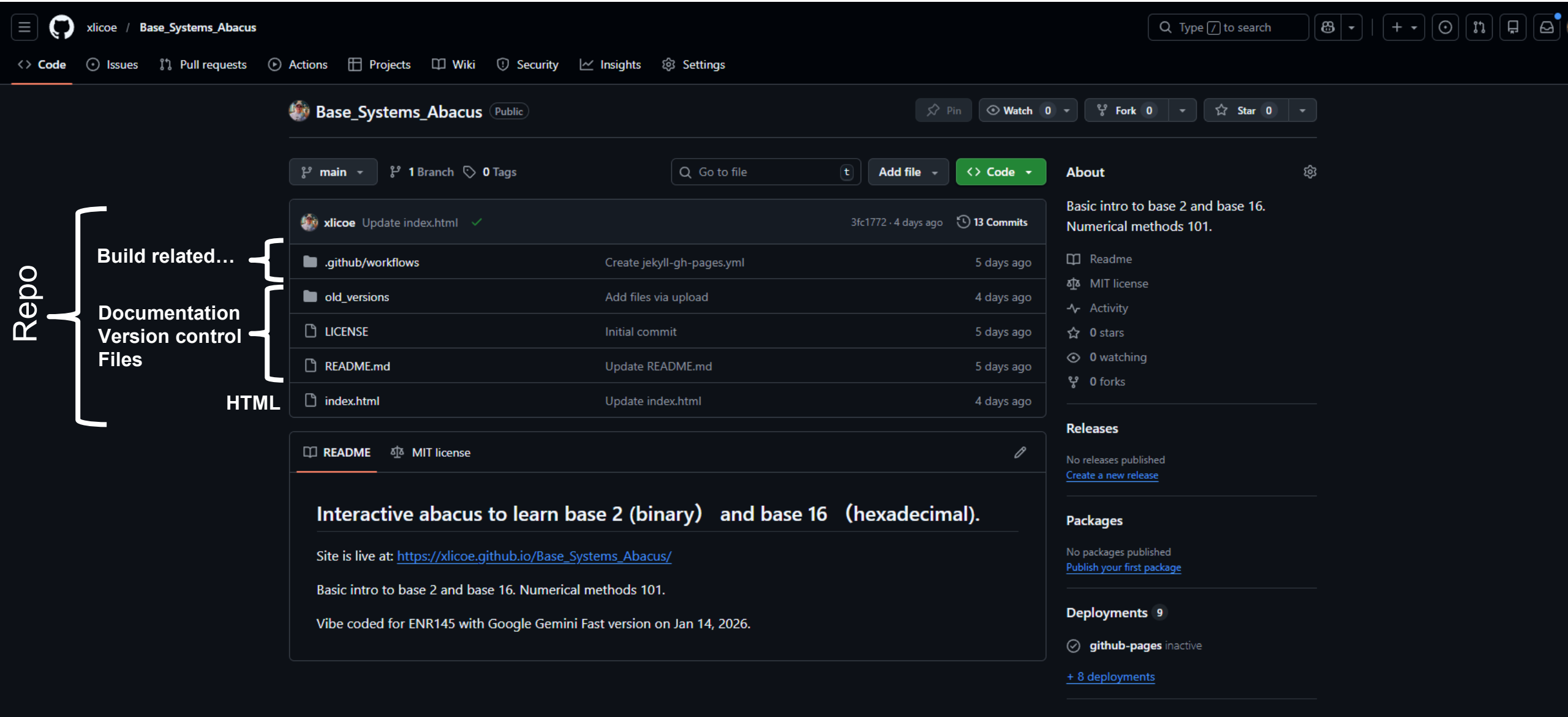
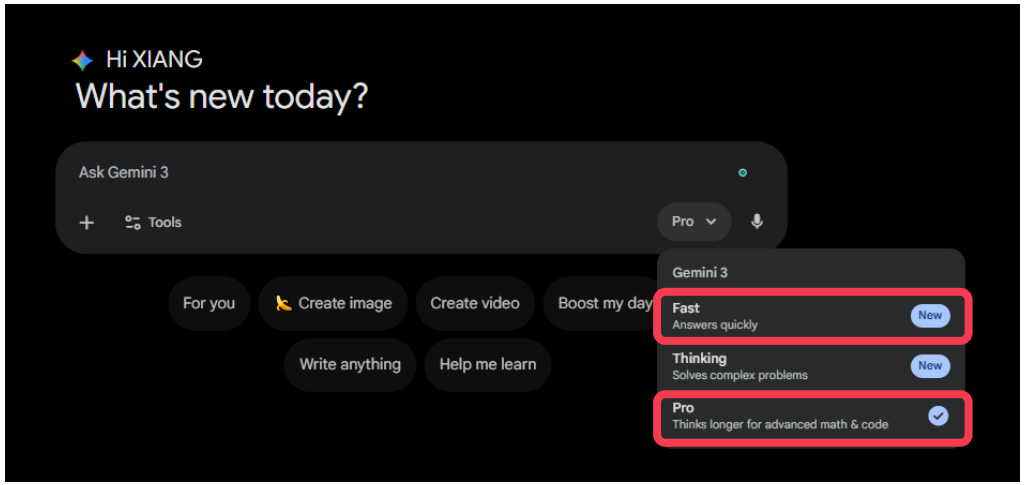
Backstage of a GitHub site:



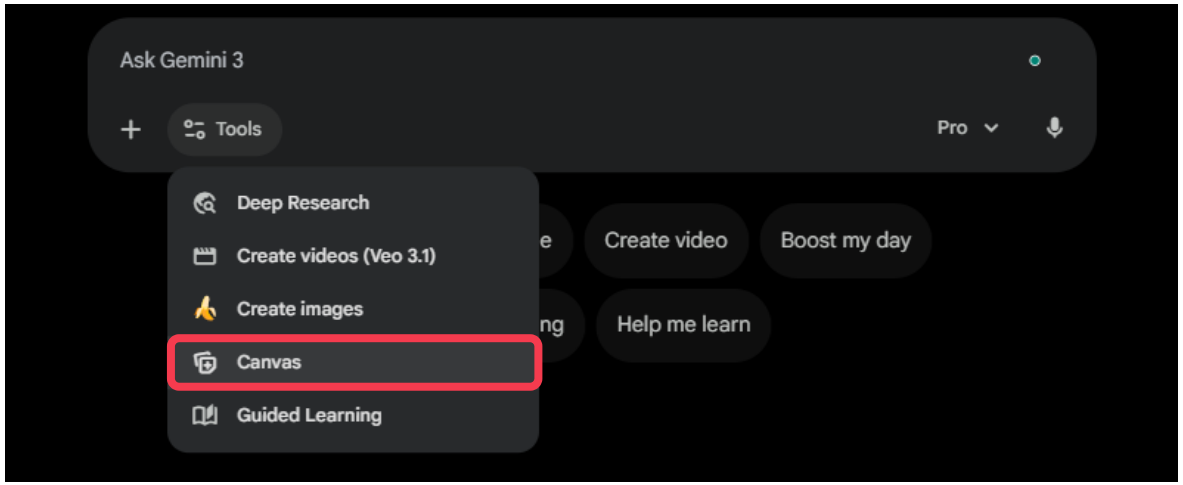
Vibe coding session (1/2):

Prompting and getting a working html code from Gemini:

Step 1: Pick a model



Step 2: Pick a tool (Canvas)



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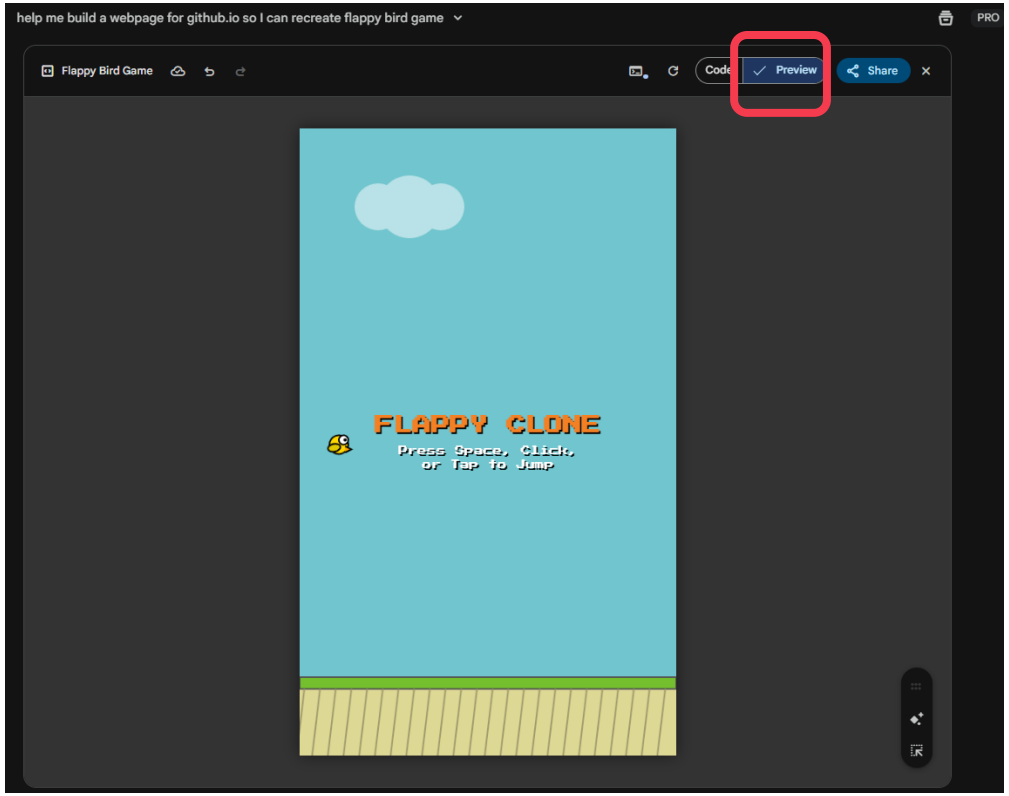
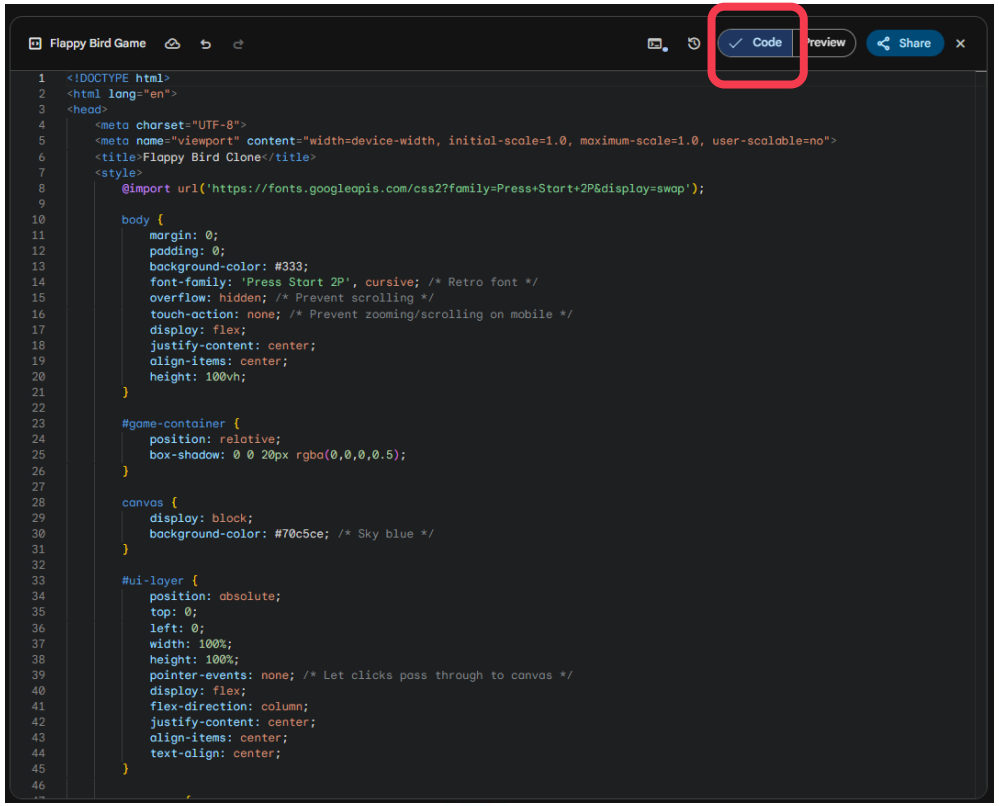
Vibe coding session (2/2):

Prompting and getting a working html code from Gemini:

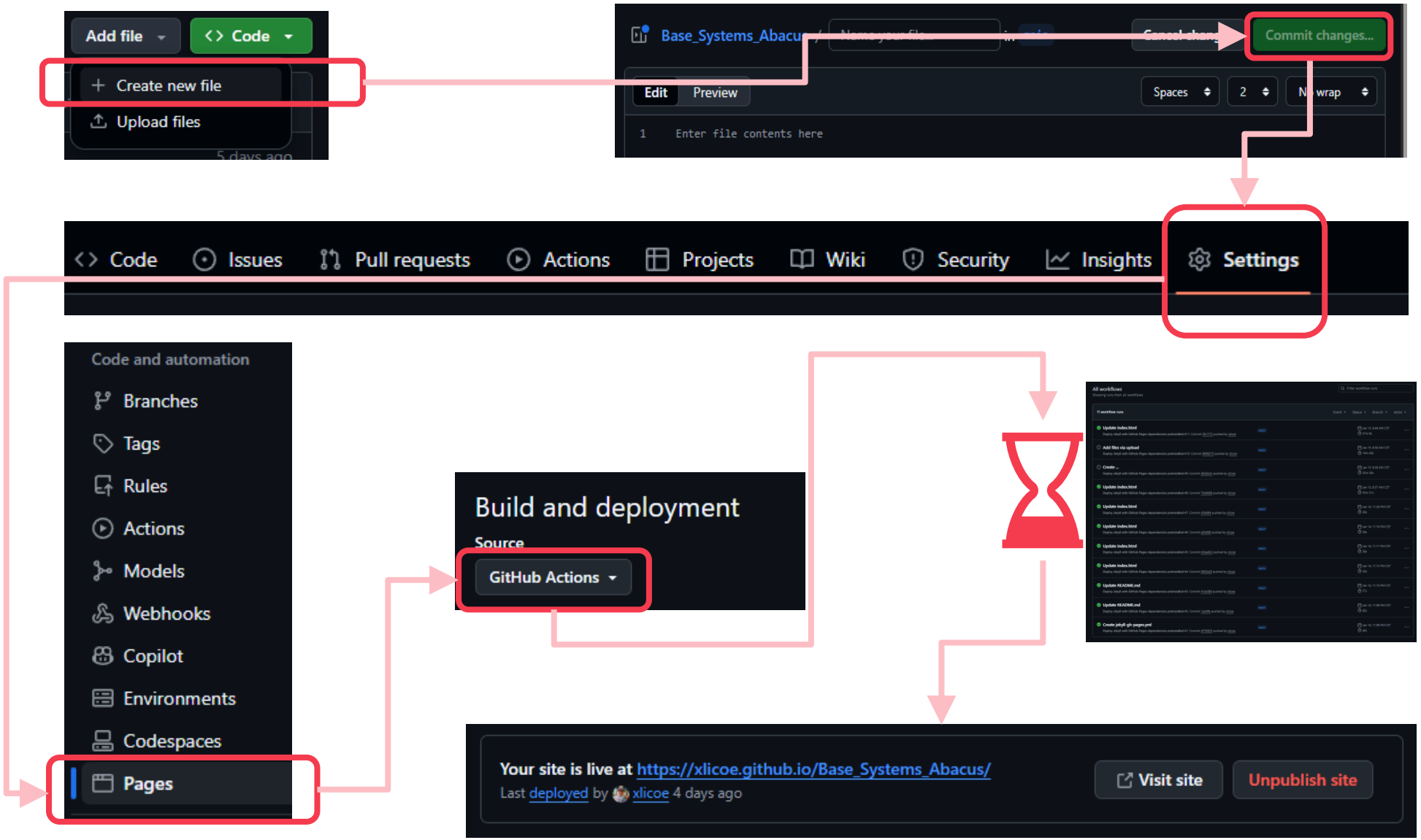
Step 3: Prompt: help me build a webpage for github.io so I can recreate flappy bird game

Step 4: Iteration



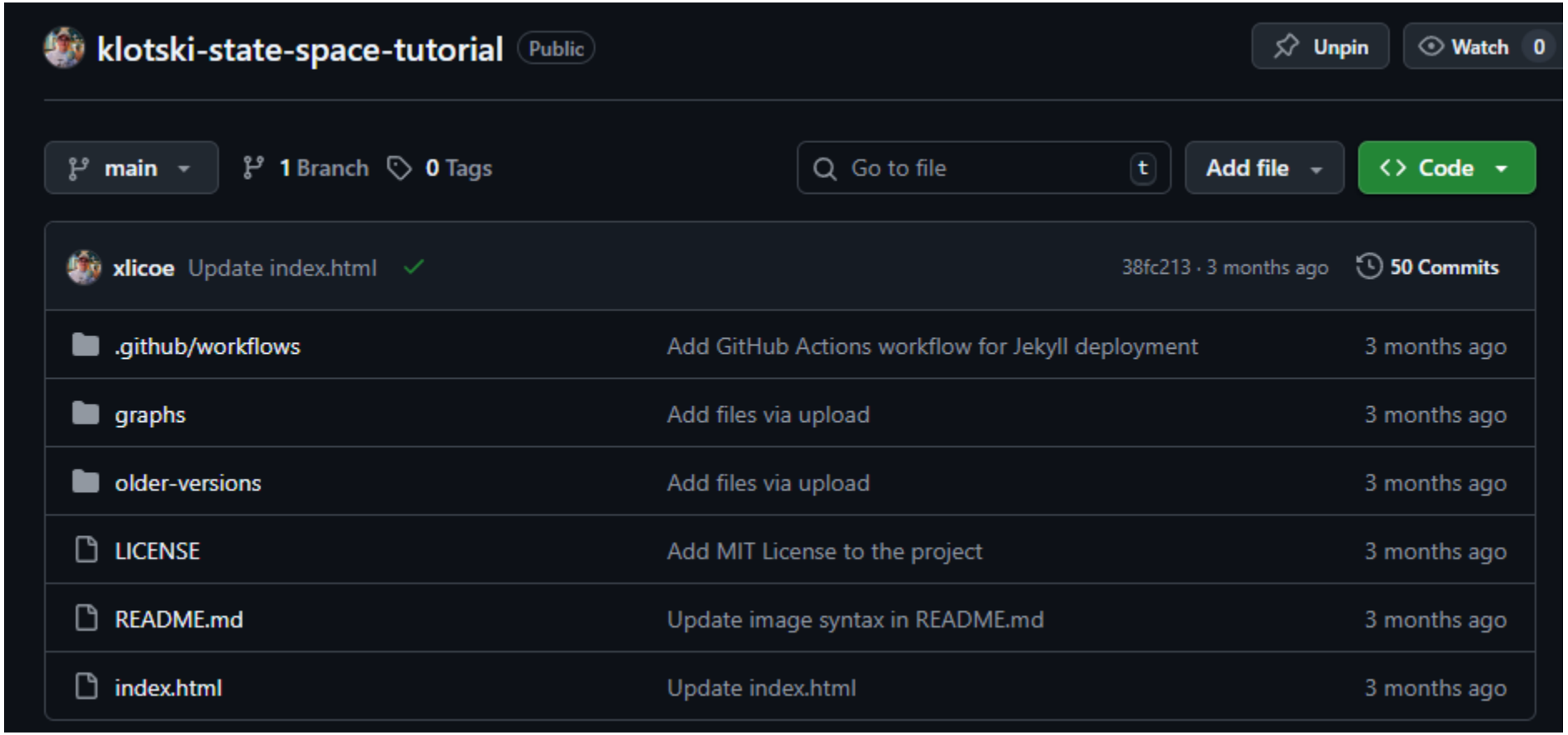


Workflow of publishing a site



Some sites don’t publish, but have a good README file to explain everything:

https://github.com/xlicoe/klotski-state-space-tutorial



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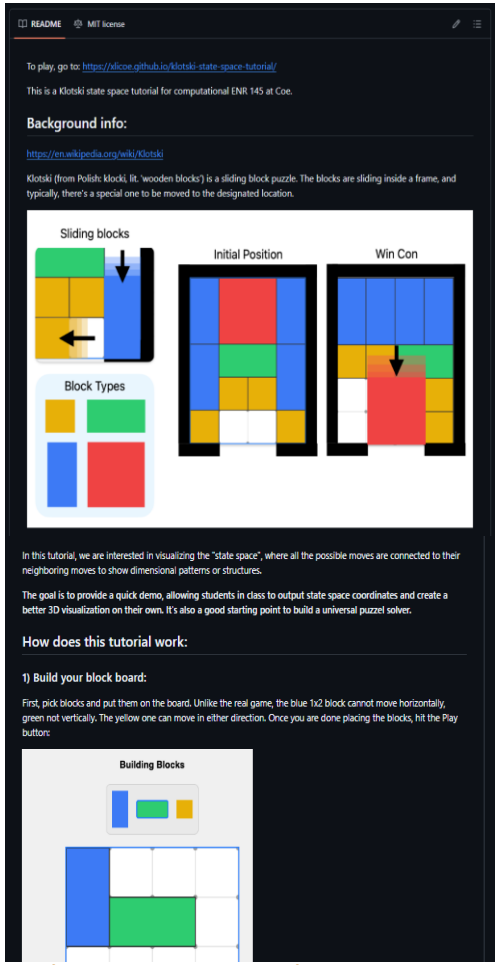

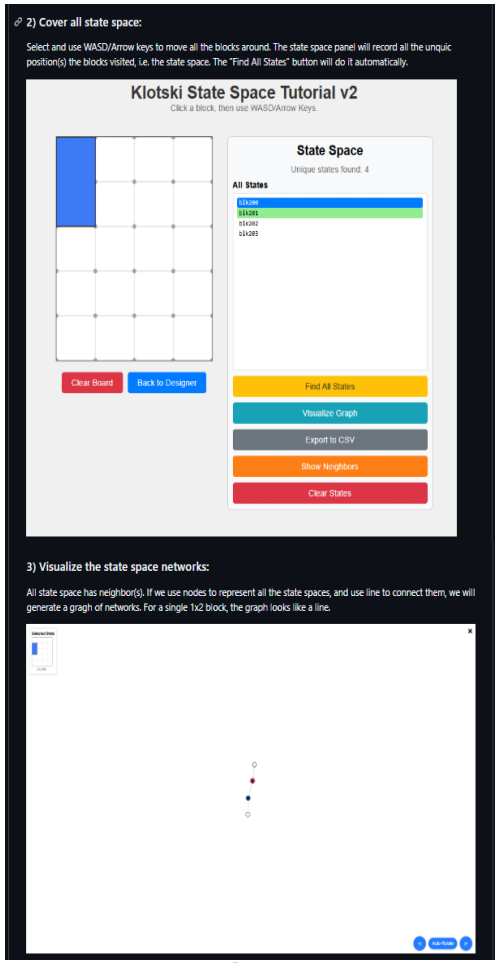

Basic writing and formatting syntax:

https://docs.github.com/en/get-started/writing-on-github/getting-started-with-writing-and-formatting-on-github/basic-writing-and-formatting-syntax

What if?

Get your own site up as assignment?