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## *While you're waiting:*

### 1. Download Visual Studio Code

- if you haven't already and don't have a text editor you're comfortable with
- all my examples going forward -- including how to compile Sass on your local machine, how to update your projects on GitHub -- will use Visual Studio Code, so I *highly* recommend using this editor for the class



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# *Agenda*

1. Understanding git
2. Getting started with git + GitHub
3. Getting started with VS Code
4. VS Code + git + GitHub

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# *Understanding git*



directory





index.html



styles.css

## *Without version control*



## *Without version control*



index.html index\_v2.html

styles.css styles\_v2.css styles\_v3.css



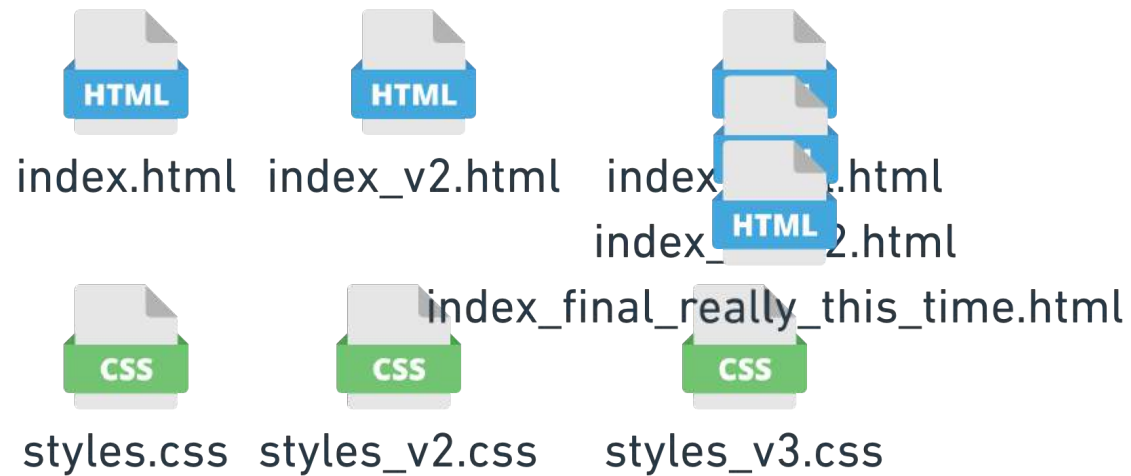
## *Without version control*

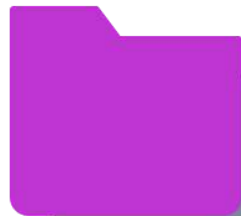


## *Without version control*



## *Without version control*

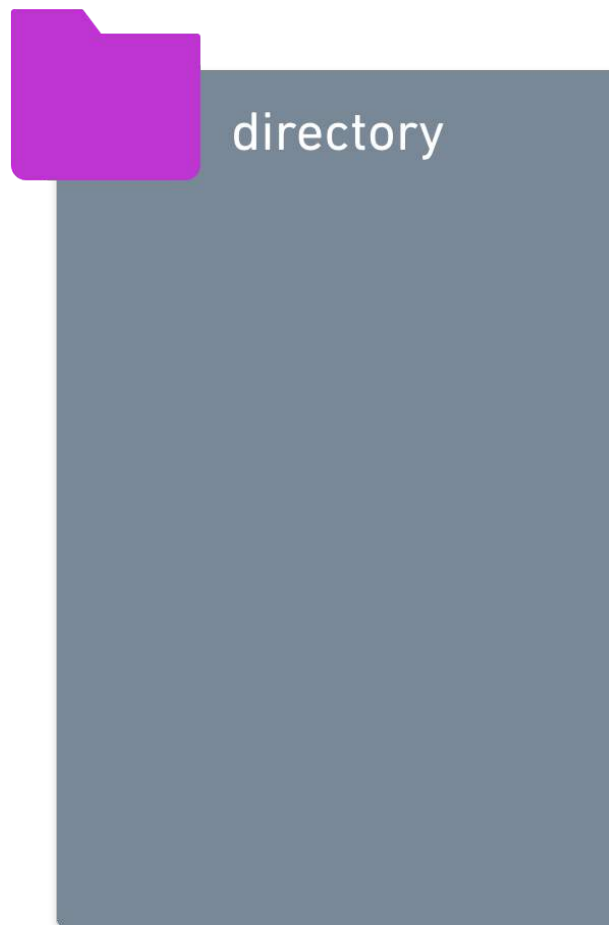




directory

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```
git init
```



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`git init`

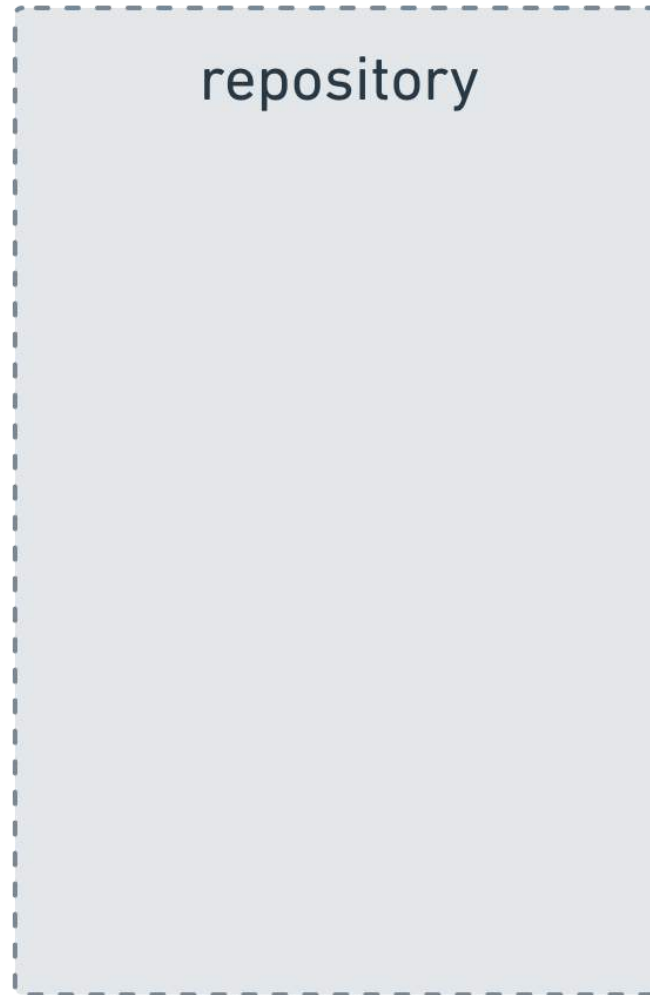
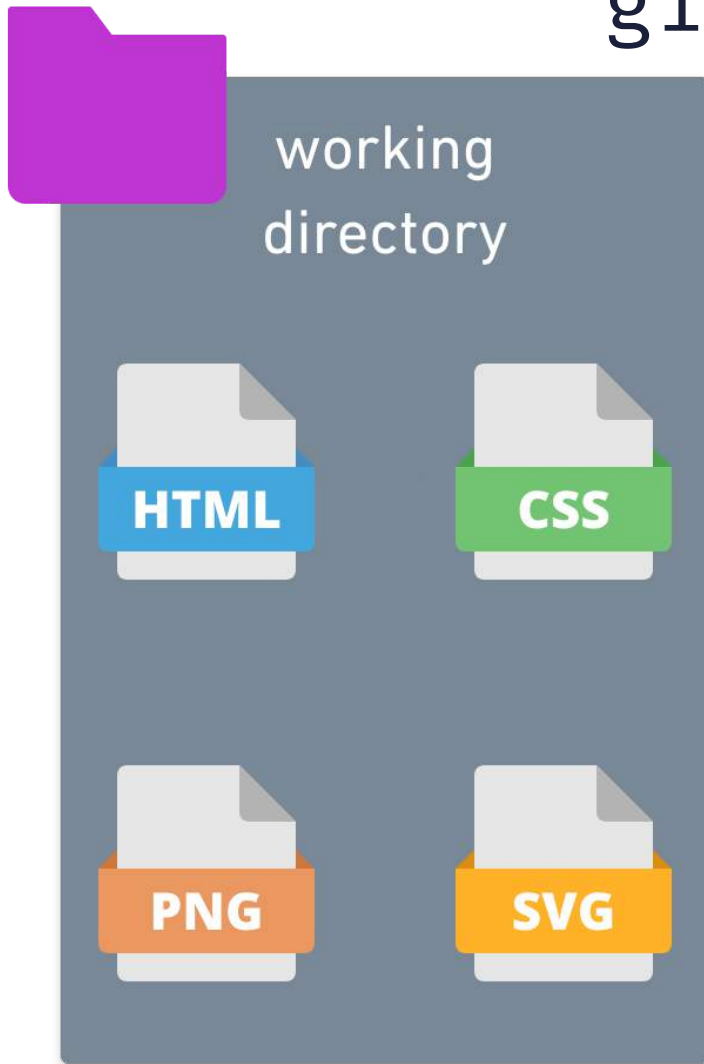


working  
directory

repository

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`git init`

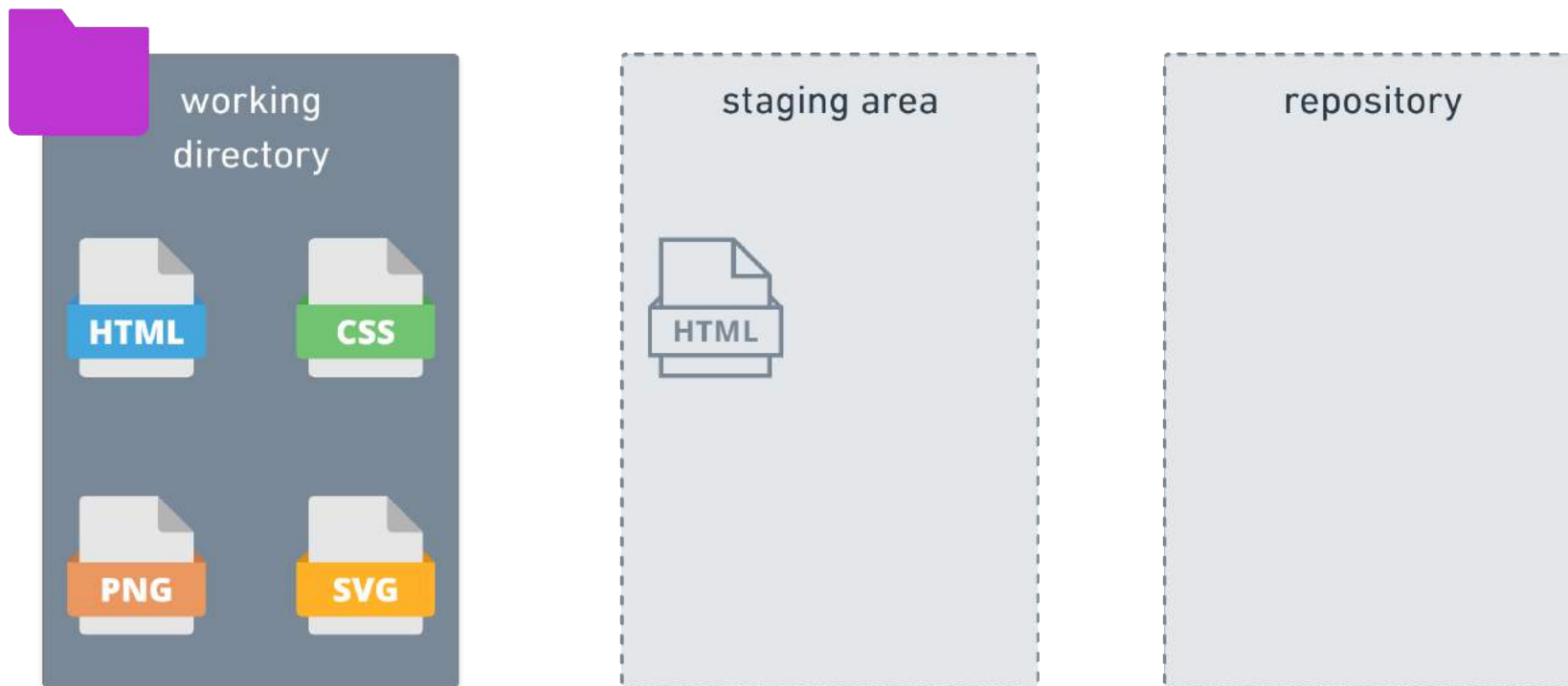


# git add

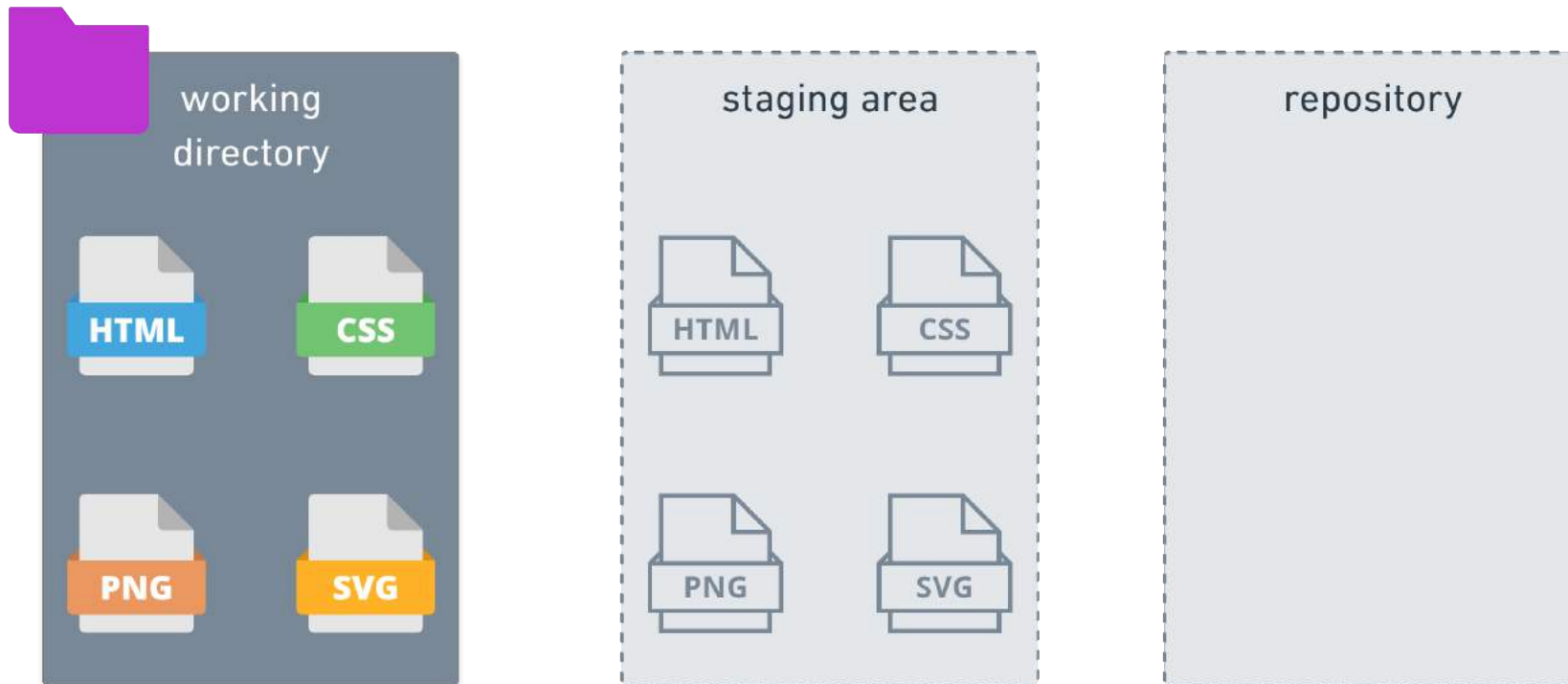




# git add



# git add



# git commit



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## *Q&A on git workflow or concepts*

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*Git ! = GitHub*

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*Git*  $\neq$  *GitHub*



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*Git ! = GitHub*



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# *Getting started with git + GitHub*

- Install/verify git
- Set up your username and email
- Get/verify your SSH keys

*<http://bit.ly/431-git>*



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# *Getting started with VS Code*

- Interface basics
- Update some helpful settings of VS Code
- Add some useful extensions to VS Code

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## *Extensions*

1. **Beautify** by HookyQR
2. **Live Server** by Ritwick Dey
3. **Live Sass Compiler** by Ritwick Dey
4. **Intellisense for CSS class names in HTML** by Zignd
5. **Path Intellisense** by Christian Kohler
6. **scss-scan** by aaronphy
7. **minify** by HookyQR
8. **Auto Rename Tag** by Jun Han
9. **Bracket Pair Colorizer** by CoenraadS

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## *Extensions*

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- What does this extension do?
- What problem does it solve?
- How is it helpful?

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# *VS Code Q&A*

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# *VS Code + git*

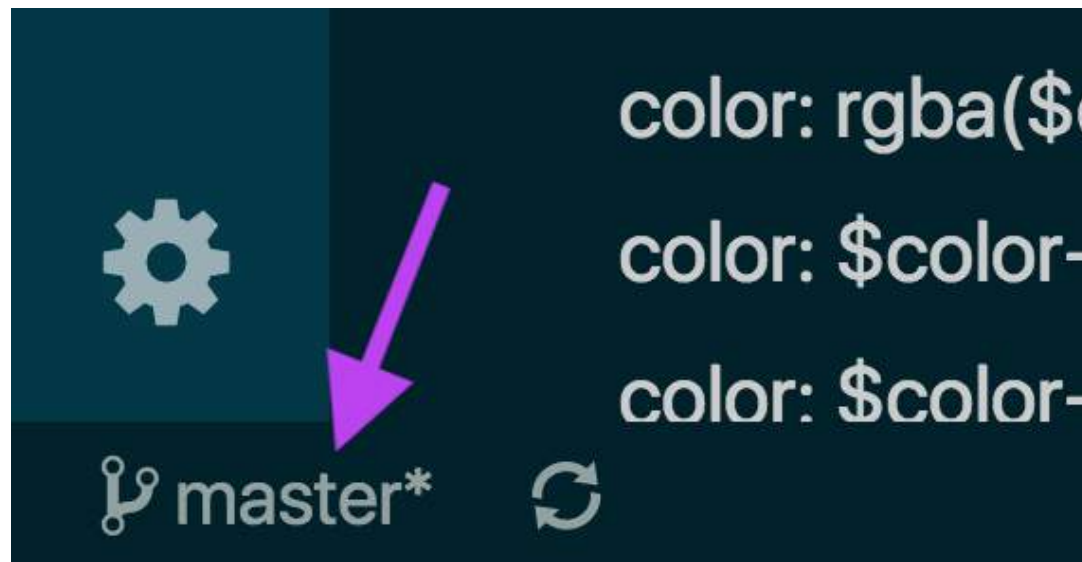
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## *Git branches*

`git branch`

## *Git branches*

git branch



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## *Git branches*

Create repo

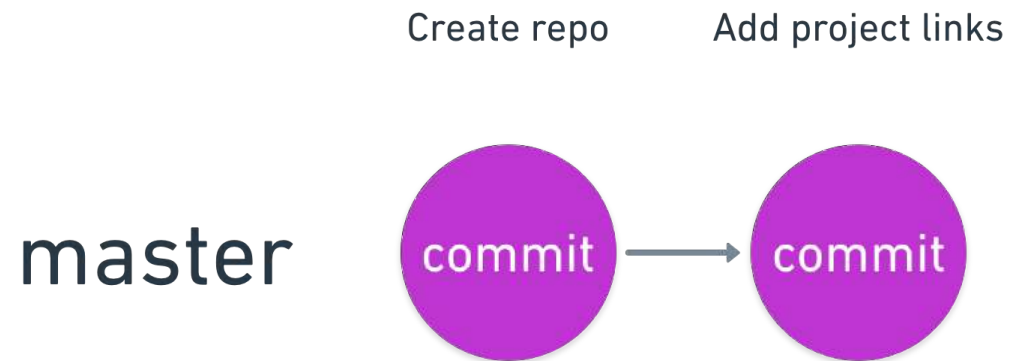
master





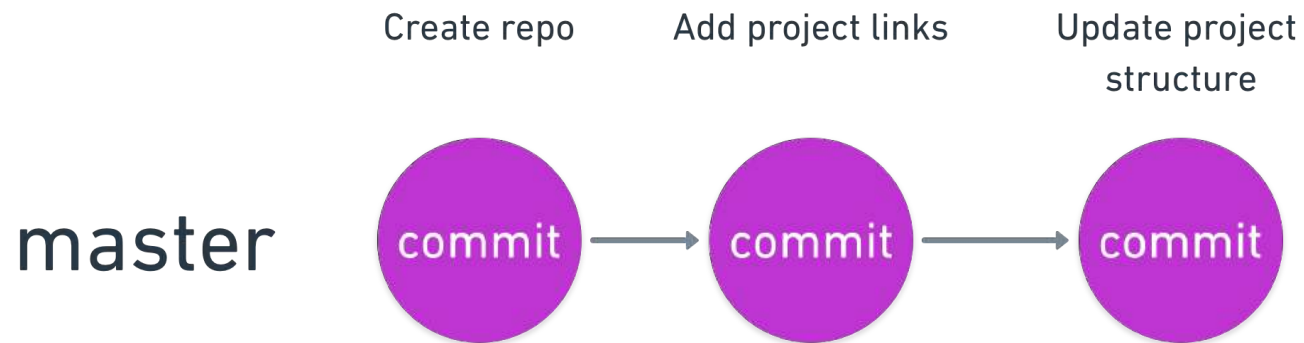
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## *Git branches*



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## *Git branches*



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## *Git branches*

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## *Git branches*

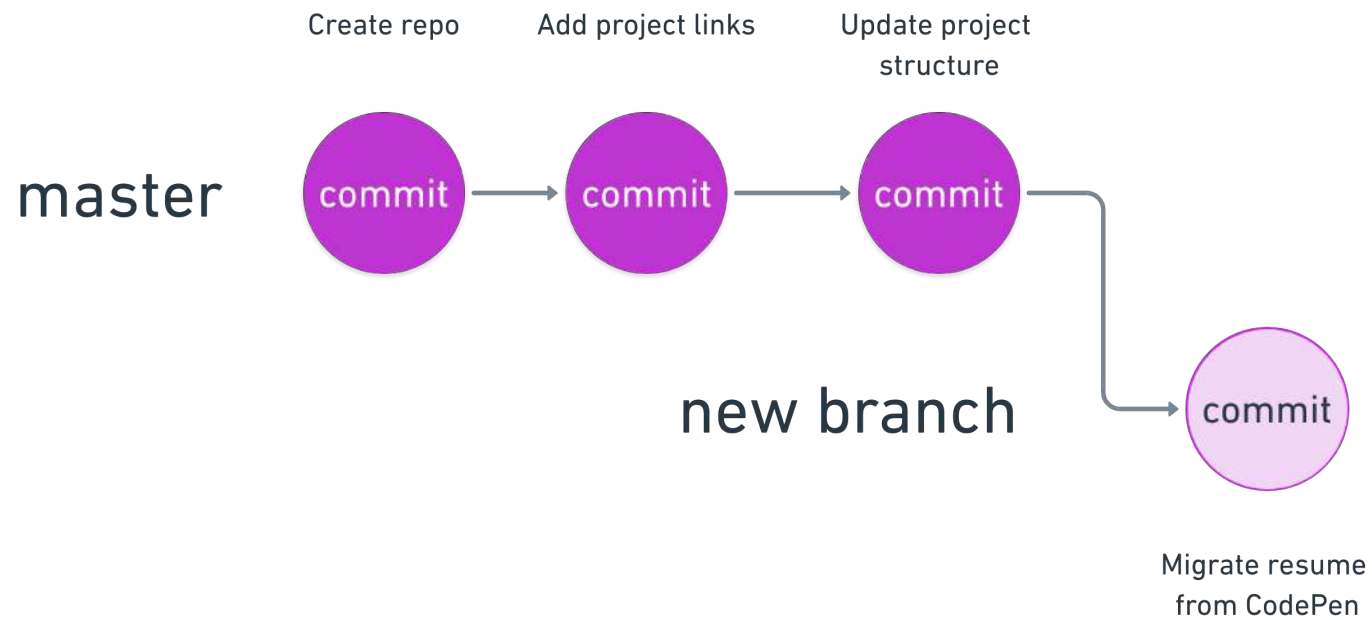
```
git branch {new-branch-name}
```

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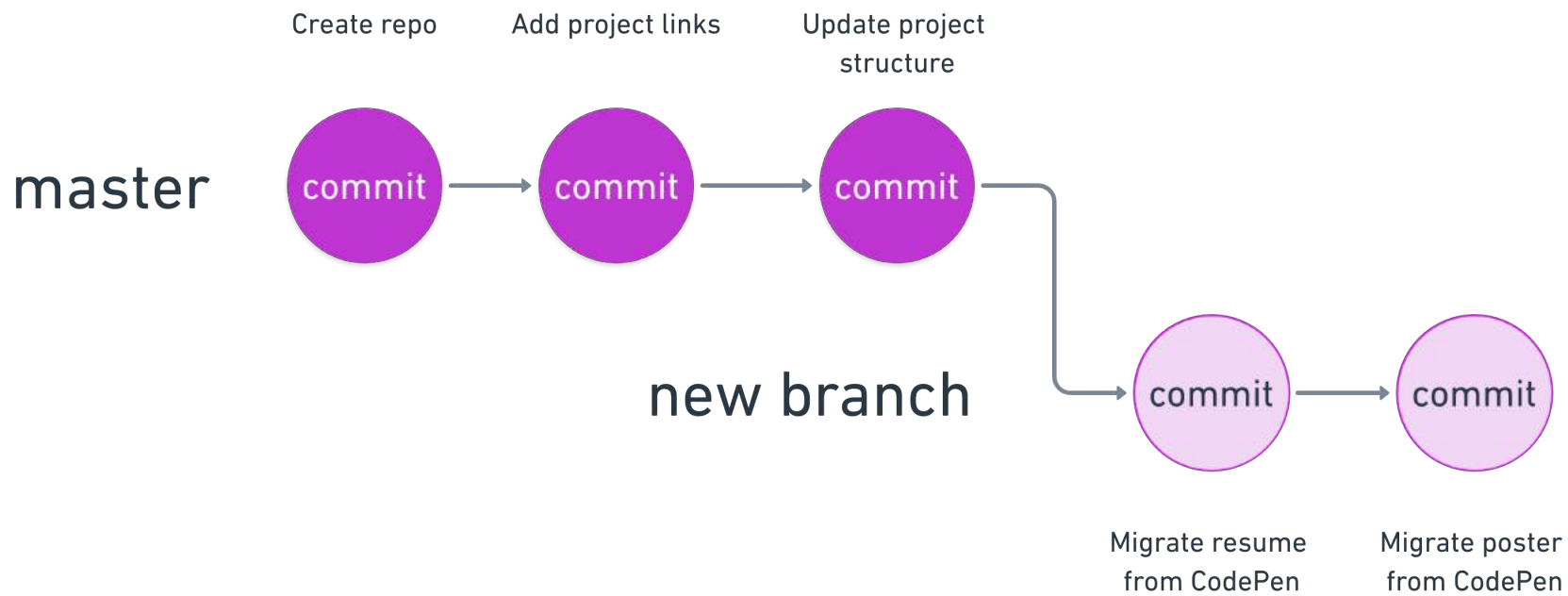
## *Git branches*

```
git branch {new-branch-name}  
git checkout {new-branch-name}
```

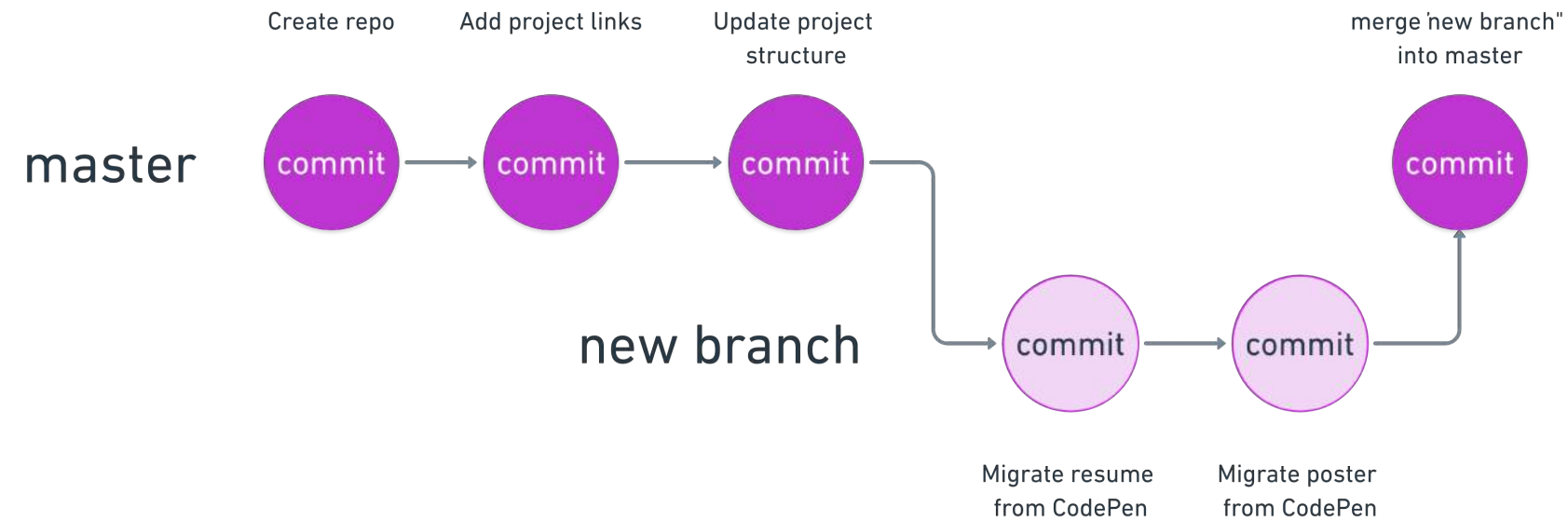
# Git branches



# Git branches



# Git branches





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# *Migrating from CodePen to VS Code*

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## *Migrating from CodePen to VS Code*

```
git branch migrate-from-codepen
```

```
git checkout migrate-from-codepen
```

---

## *Migrating from CodePen to VS Code*

```
git branch migrate-from-codepen
```

```
git checkout migrate-from-codepen
```

1. Copy over most recent version of resume
  - resume/index.html
  - resume/styles/styles.scss

---

# *Migrating from CodePen to VS Code*

- Copy over most recent version of resume
  - `resume/index.html`
  - `resume/styles/styles.scss`

1. "Go Live" to view in browser
2. "Watch Sass" to compile Sass

---

# *Migrating from CodePen to VS Code*

- Copy over most recent version of resume
  - `resume/index.html`
  - `resume/styles/styles.scss`
- "Go Live" to view in browser
- "Watch Sass" to compile Sass

1. Stage your changes
2. Make a new commit

---

# *Migrating from CodePen to VS Code*

- Copy over most recent version of resume
  - `resume/index.html`
  - `resume/styles/styles.scss`
- "Go Live" to view in browser
- "Watch Sass" to compile Sass
- Stage your changes
- Make a new commit

## 1. Repeat the process for your poster project

- `copy`
- `verify`
- `then commit`

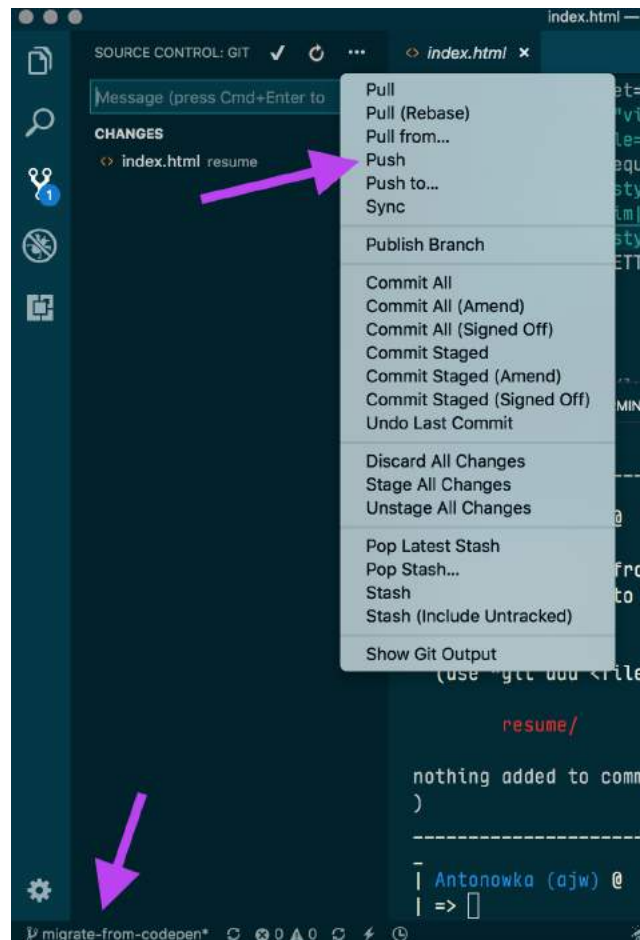
---

# *Migrating from CodePen to VS Code*

```
git push origin migrate-from-codepen
```

# *Migrating from CodePen to VS Code*

`git push origin migrate-from-codepen`





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## *Q&A for branches & workflow*

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## *Best practices for commits*

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*A commit represents work that is*

- Modular
- Connected

---

*A commit represents work that is*

- Modular
  - Connected
1. Add web fonts
  2. Add JS for flyout menu
  3. Make header responsive
  4. Fix typo

---

## *Tasks as commits*

---

## *Tasks as commits*

1. Add web fonts
2. Add JS for flyout menu
3. Make header responsive
4. Fix typo

---

## *Best practices for commit messages*

- Be useful
- Be brief (~50 char)

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## *Best practices for commit messages*

- Be useful
- Be brief (~50 char)
- Start with a verb in the present tense, like giving a command:
  - Update body font to Roboto
  - Fix typo in nav
  - Note tense: not updates or fixed



---

## *Best practices for commit messages*

- Be useful
- Be brief (~50 char)
- Start with a verb in the present tense, like giving a command:
  - Update body font to Roboto
  - Fix typo in nav
  - Note tense: not updates or fixed
- Doesn't need to mention which file you worked on

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## *Commits Q&A*