

Collaborating using git

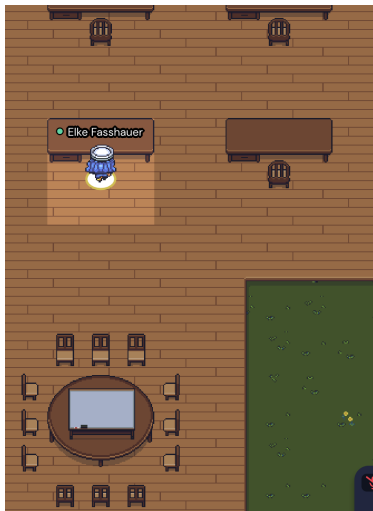
Branches

Elke Fasshauer

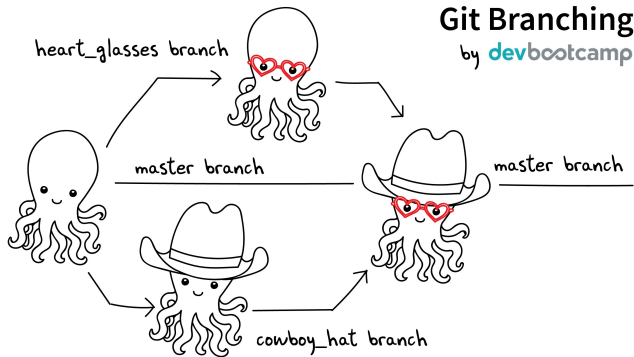
University of Tübingen

2nd November 2021

Where to go for the exercise



Motivation



Coderefinery: https://twitter.com/jay_gee/status/703360688618536960

Workflow: Where are we?

```
$ git branch
```

What our file looks like

```
Test
```

```
firrst line
```

Workflow: Where are we?

```
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Workflow: Where are we?

```
$ git branch
```

```
* main
```

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Workflow: Where are we?

```
$ git branch
```

```
* main
```

What our file looks like

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firrst line
```

Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line

Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

Test

firrst line

second line

Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

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firrst line

second line

Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

What our file looks like

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firrst line

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Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

main

* new_content

What our file looks like

Test

firrst line

second line

Workflow: Creating branches

Let's do some more work

```
$ git branch new_content main  
$ git checkout new_content  
$ git branch new_content main
```

main

* new_content

What our file looks like

Test

firrst line

second line

Workflow: Working with multiple branches

Correct typo

```
$ git checkout main
$ git branch typo main
$ git checkout typo
$ git branch
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main
new_content
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Workflow: Working with multiple branches

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$ git checkout main
$ git branch typo main
$ git checkout typo
$ git branch
main
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* typo
```

What our file looks like

Test

firrst line

Workflow: Merging branches

```
$ git merge main  
$ git checkout main  
$ git merge typo  
$ git branch -d typo  
$ git branch
```

What our file looks like

Test

first line

Workflow: Merging branches

```
$ git merge main  
$ git checkout main  
$ git merge typo  
$ git branch -d typo  
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What our file looks like

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Workflow: Merging branches

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What our file looks like

Test

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Workflow: Merging branches

```
$ git checkout new_content  
$ git merge main  
$ git checkout main  
$ git merge new_content
```

What our file looks like

Test

first line

second line

Workflow: Merging branches

```
$ git checkout new_content  
$ git merge main  
$ git checkout main  
$ git merge new_content
```

What our file looks like

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second line

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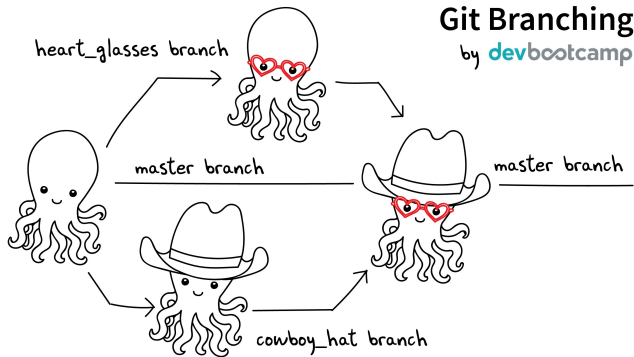
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