

Versionskontrolle mit



git

# Agenda

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- Was ist Versionskontrolle
- Was ist Git
- Wie Arbeiten wir mit Git



Warum ist Versionskontrolle  
wichtig?



```
main.py > ...  
1 def function_1():  
2     print("Rock")  
3  
4 def function_2():  
5     print("Paper")  
6  
7 def function_3():  
8     print("Scissors")  
9  
10
```



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5     print("Paper")
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7 def function_3():
8     print("Scissors")
9
10 #####
11 def main(input):
12
13     if (input == "a"):
14         return function_1()
15     if input == "b":
16         return function_2()
17     if input == "c":
18         return function_3()
19
20
```

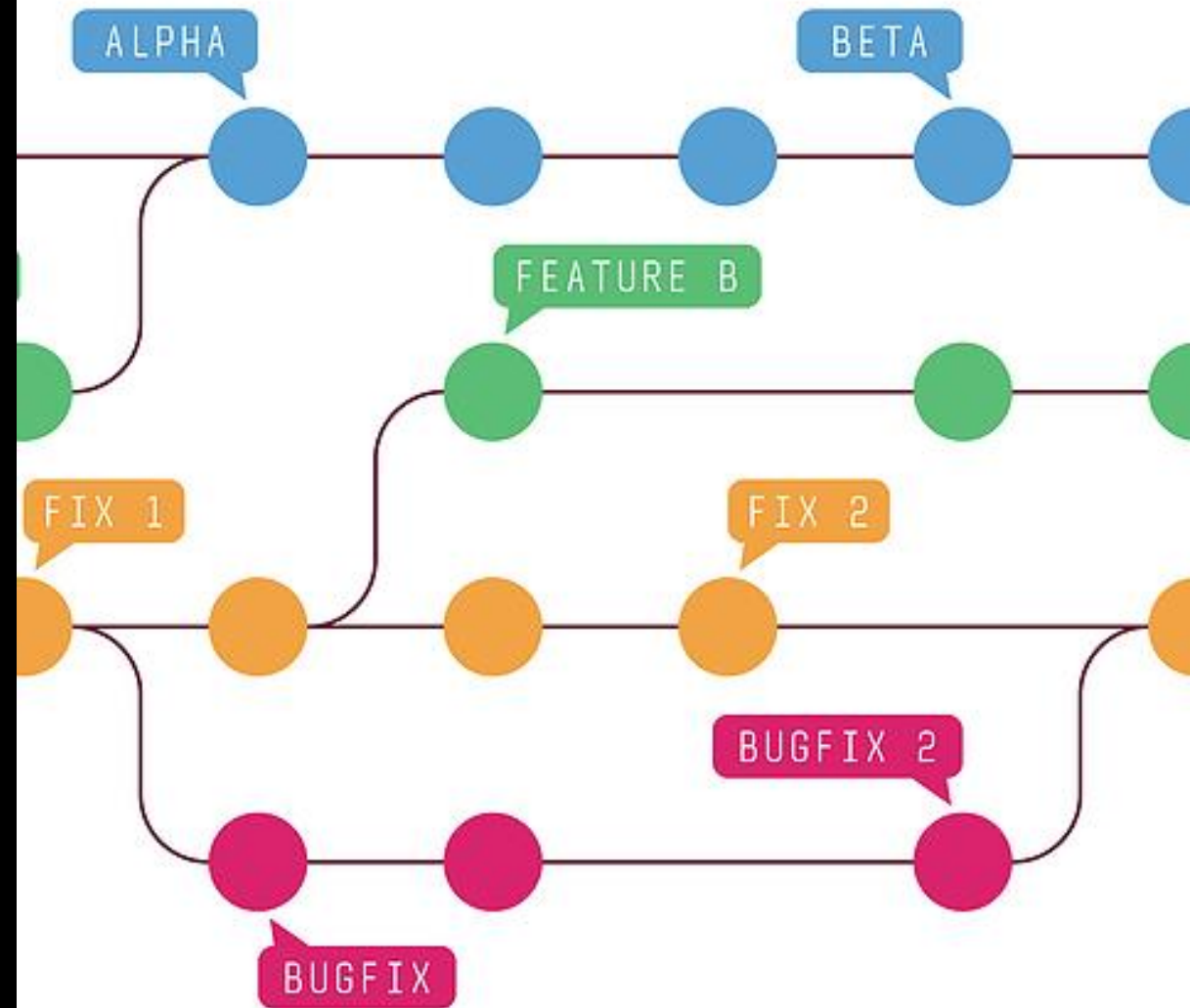
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17     if input == "c":
18         return function_3()
19
20 #####
21 main(input("please enter a, b or c: "))
```

# Was ist Versionskontrolle?

- Speichert Änderungen
- Backups
- Nachvollziehbarkeit
- Oft in der Cloud
- Vereinfacht Kollaboration





# Git

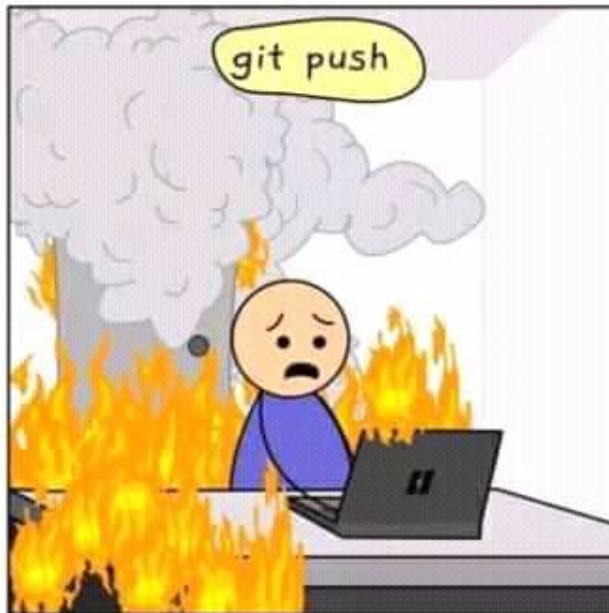
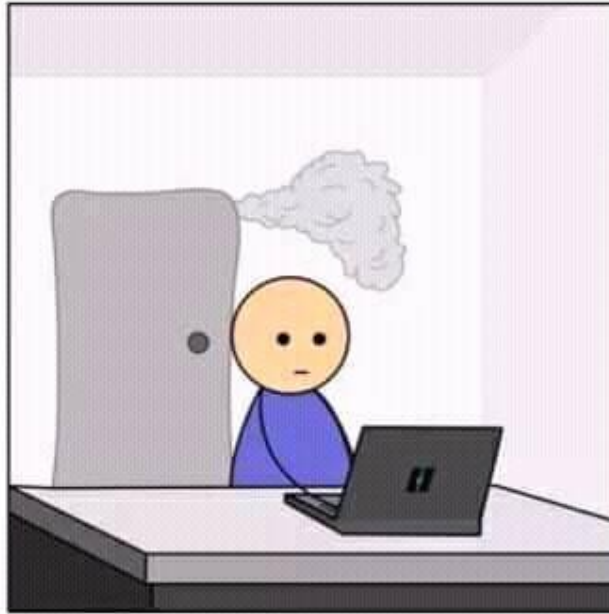
- 2005 ursprünglich von Linus Torvalds entwickelt, da BitKeeper seine Lizenz geändert hatte.
- Ziele:
  - 1. Unterstützung verteilter, BitKeeper-ähnlicher Arbeitsabläufe
  - 2. Sehr hohe Sicherheit gegen sowohl unbeabsichtigte als auch böswillige Verfälschung
  - 3. Hohe Effizienz



# ■ „Git“ bedeutet so viel wie Blödmann

- *„Ich bin ein egoistischer Mistkerl, und ich benenne all meine Projekte nach mir. Zuerst ‚Linux‘, jetzt eben ‚Git‘.“*
- – Linus Torvalds

# In case of fire





CONNECT  
GEARS

# TEAM A SCRUM BOARD

## LEGEND

● Casey Choi

● Nadeem Hazir

● Nick Fitzpartcik

● Zoey Green

★ High Priority

### BACKLOG

Translating landing page to Spanish

Researching business users

Experiment for Q4

### TO DO

Publish comment section

Publishing pricing page

Add new category

Add new illustrations

Update user request sheet

### IN PROGRESS

Make payment modal more visible

Implement team event

Experiment premium plan

Publishing pricing page

### REVIEW / QA

Fix discrepancies with tool

Release new business onboarding

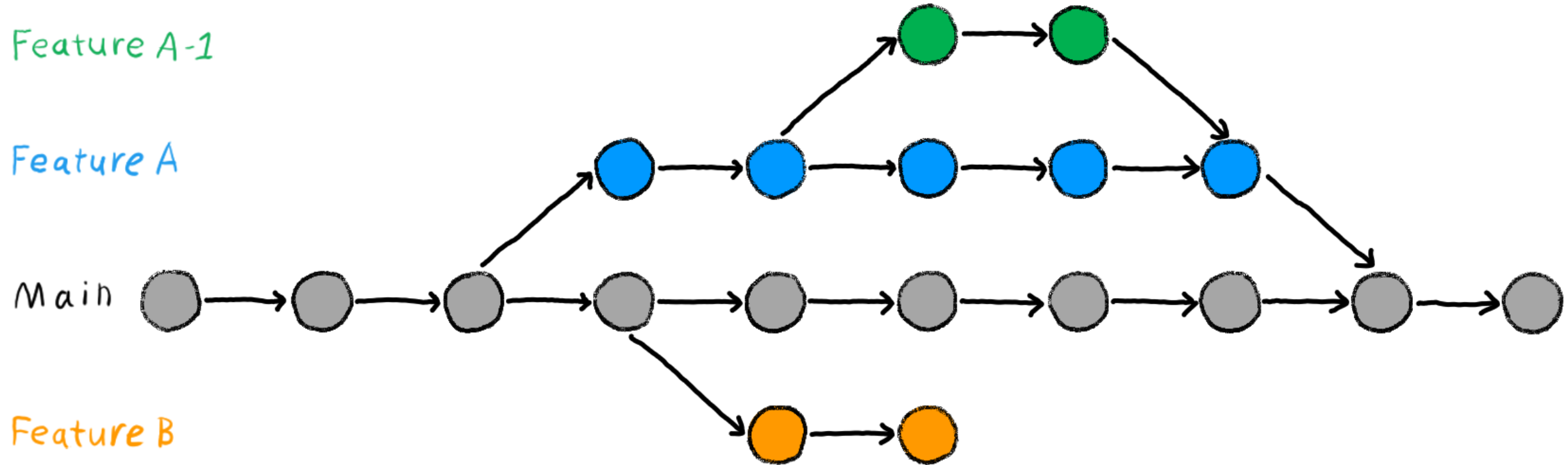
Enable tracking

### DONE

Updating tags for tracking

Downgrade student capabilities

# Git Branch



When your coworker asks you which git branch you're currently working on



# Merge conflict

When you are gonna merge two branches after long time

