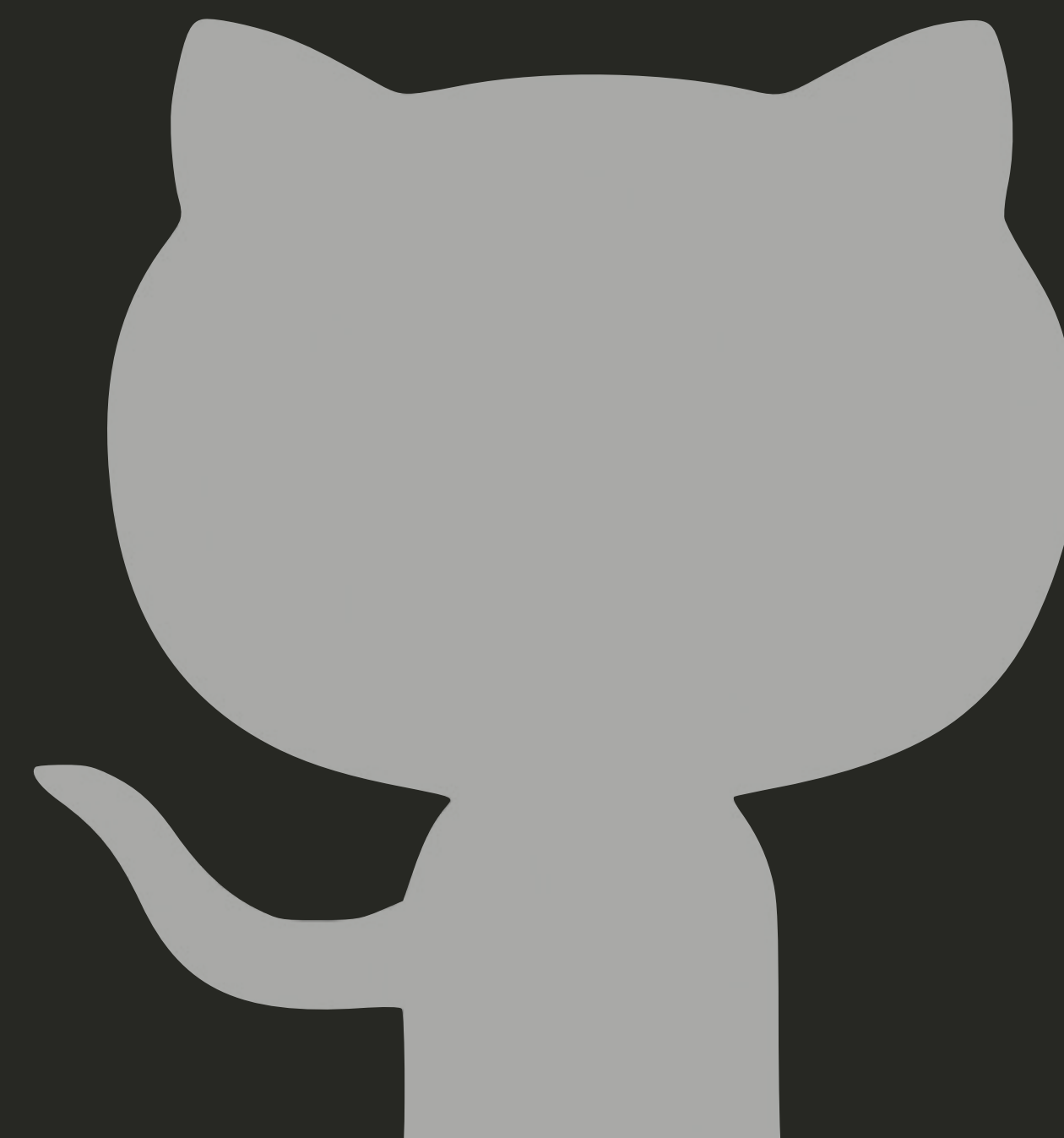


oktober 2016

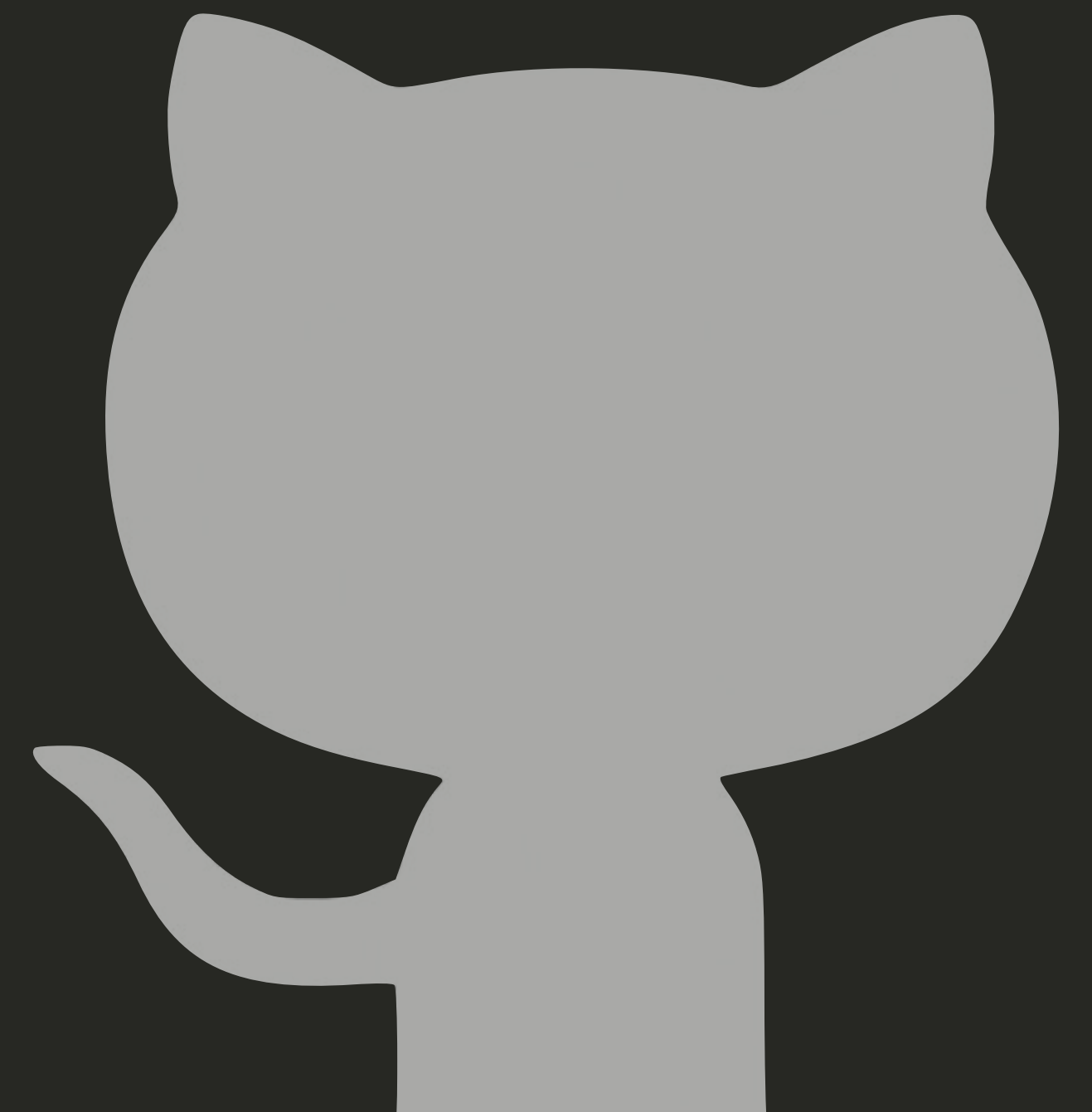
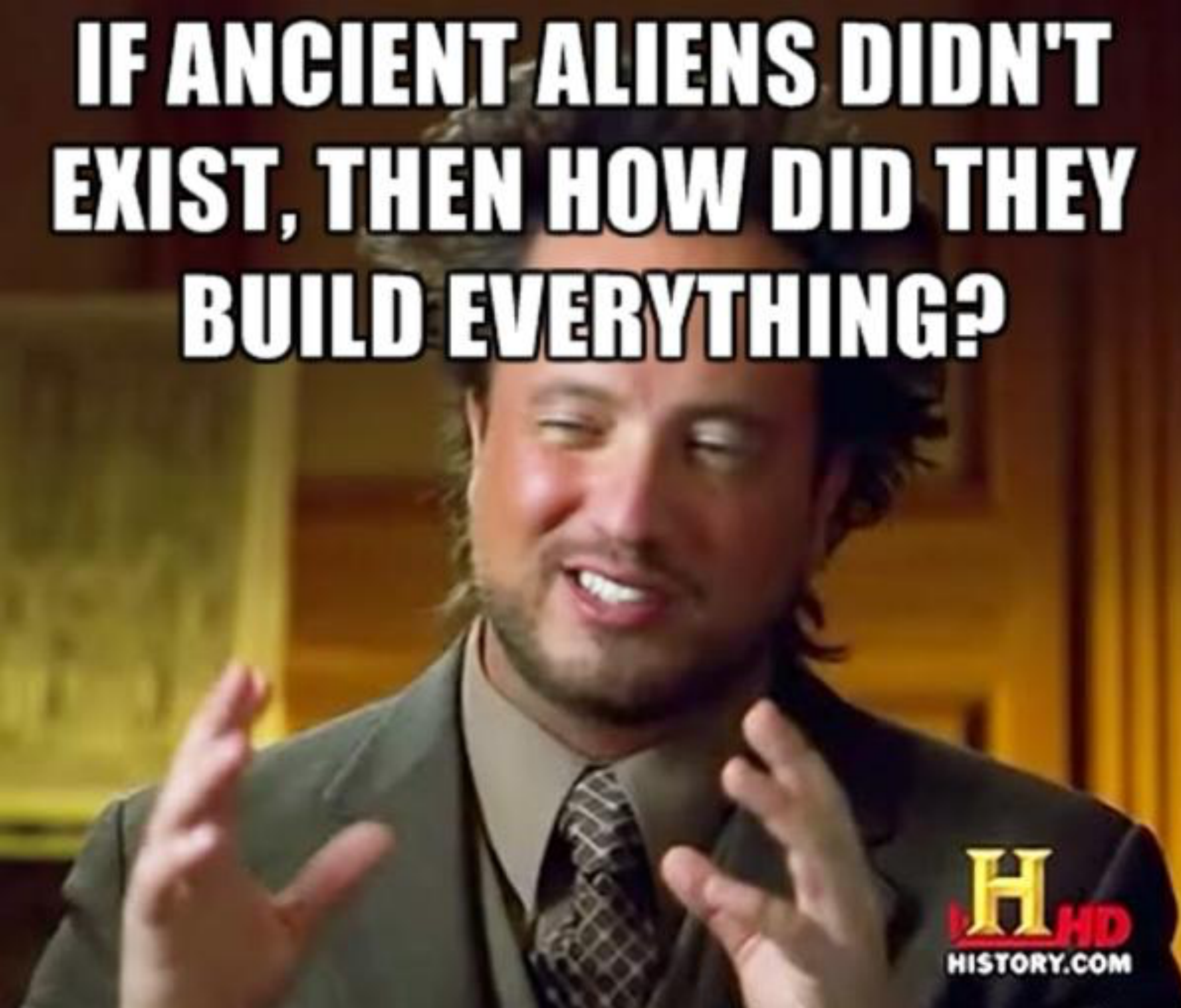
versjonskontroll

intro til git



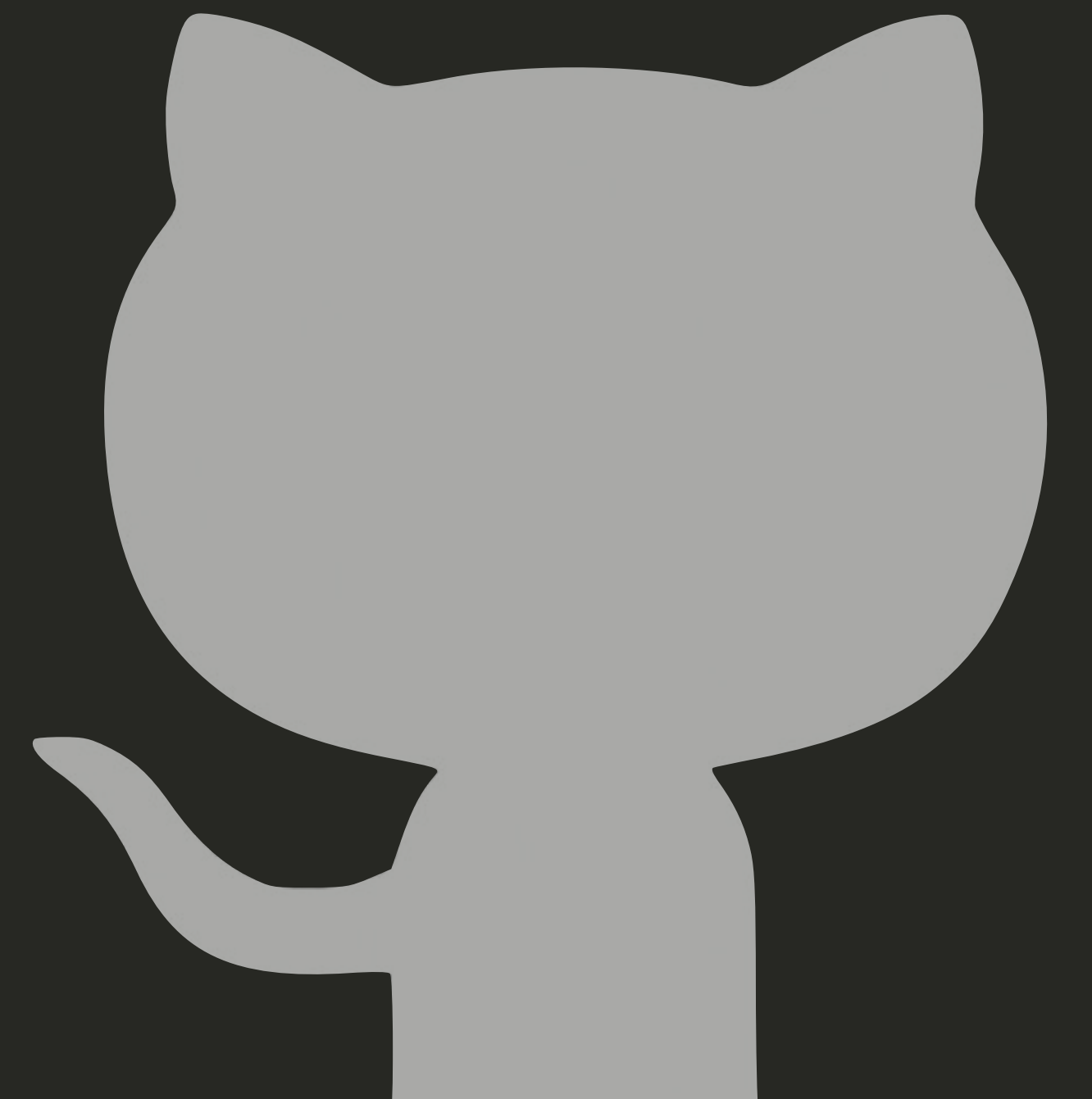
<https://github.com/lfberge/versjonskontroll>

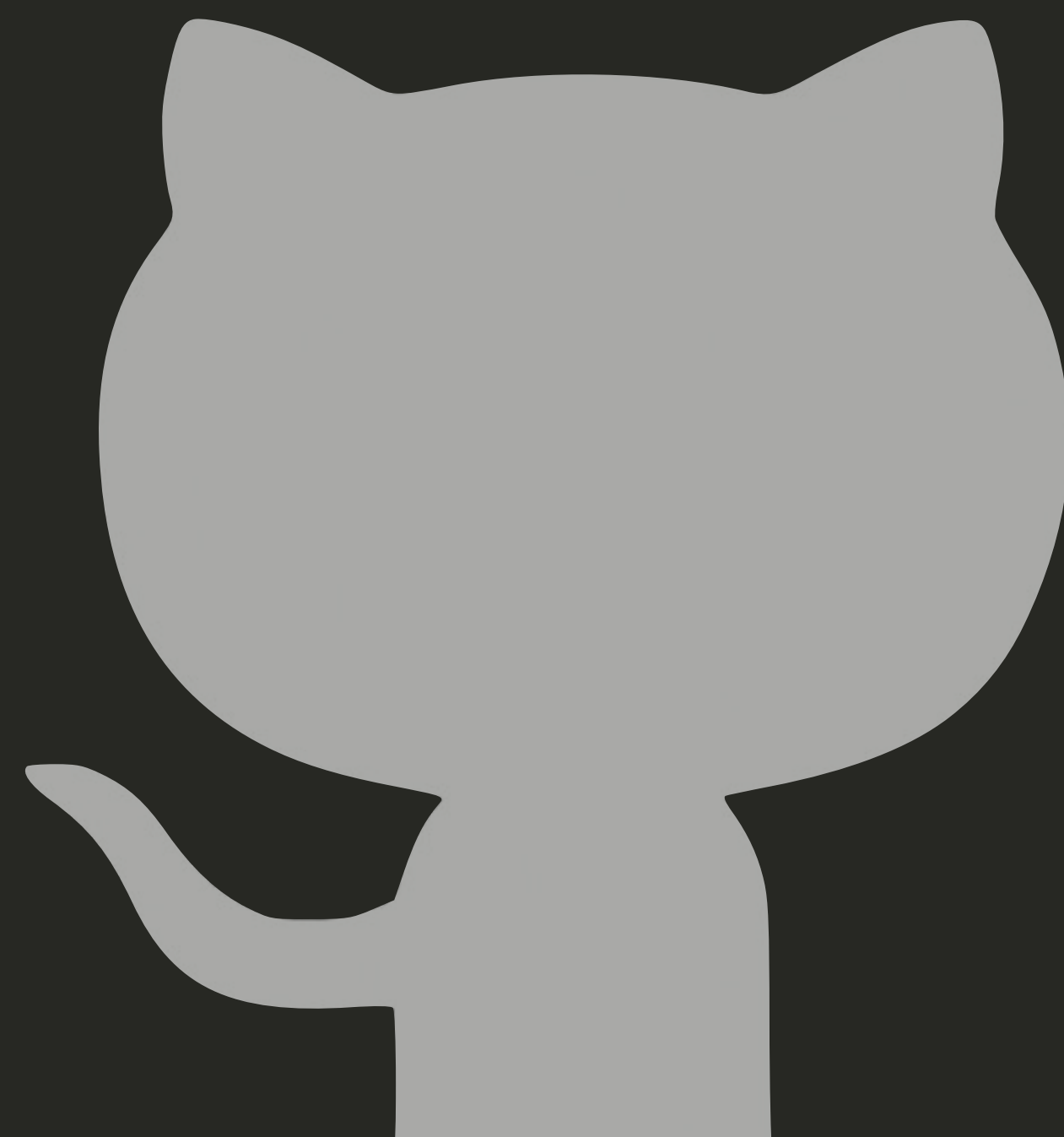
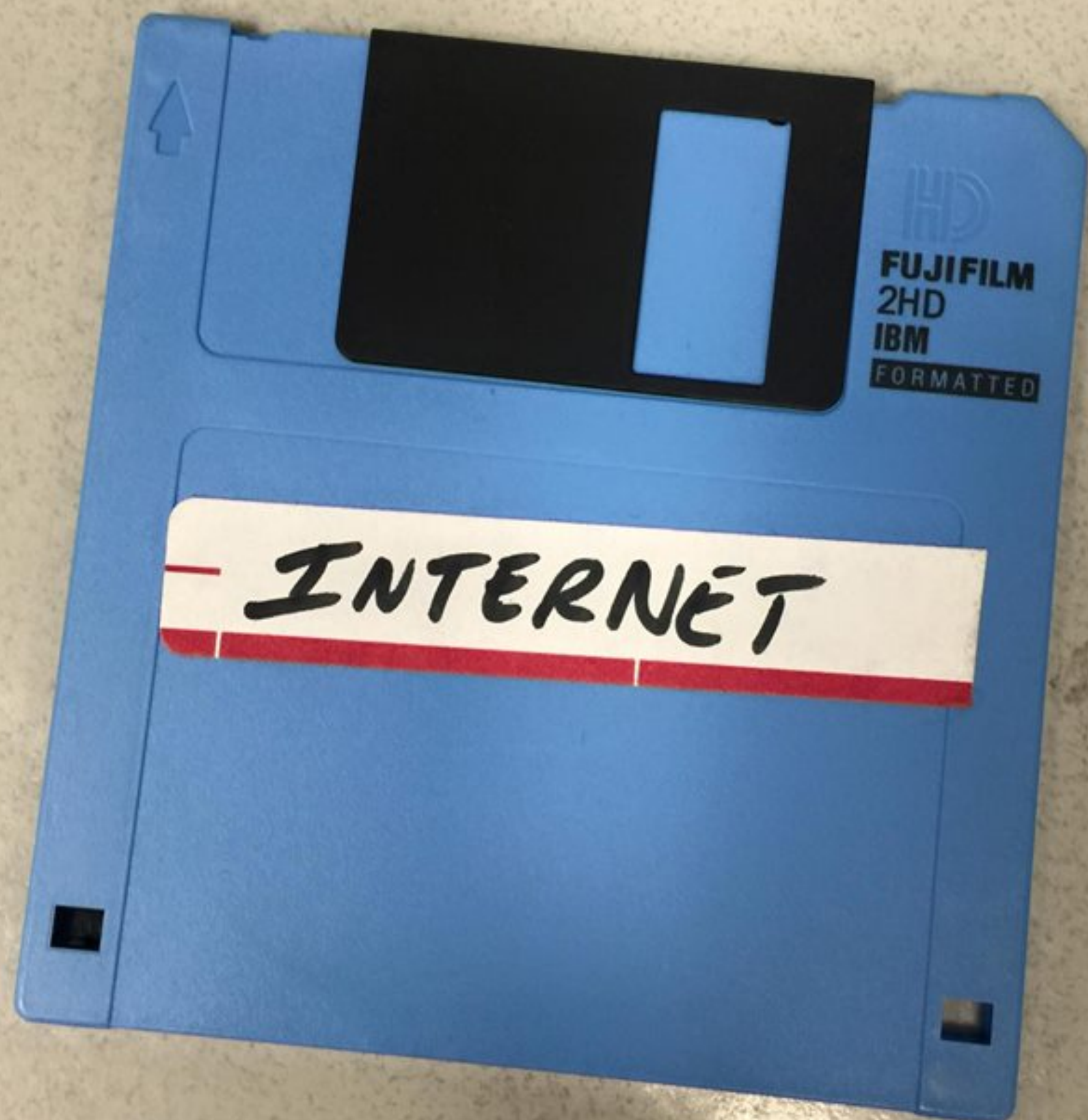
**IF ANCIENT ALIENS DIDN'T
EXIST, THEN HOW DID THEY
BUILD EVERYTHING?**

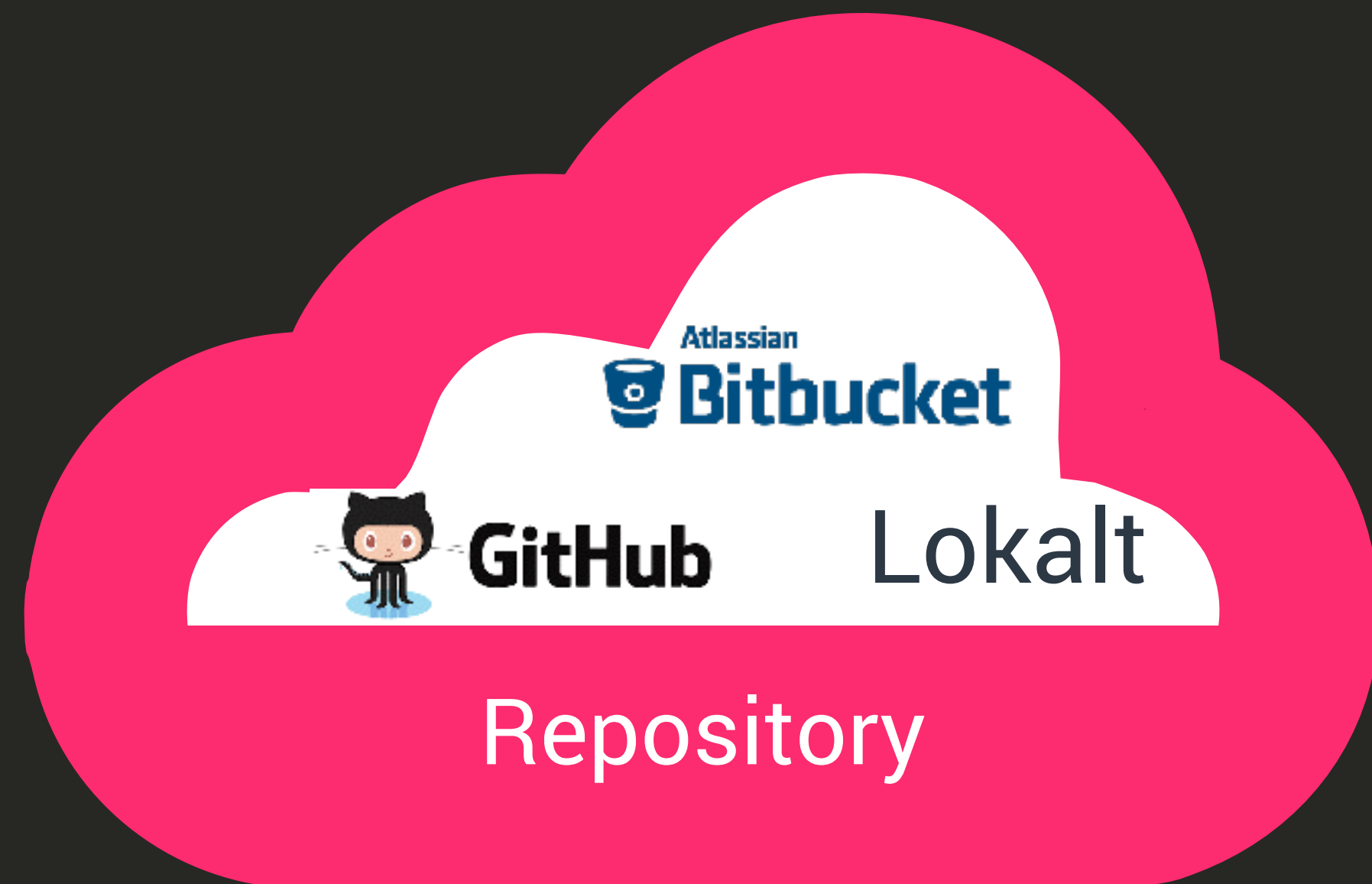




YAY! TEAMWORK!!!!








- > mappe hierarki
- > lagre punkter i historien
- > lagre grener av historien

Versjonskontroll

- 
- > mappe på din pc
 - > kopi av repo
 - > er et git repo i seg selv

Repository



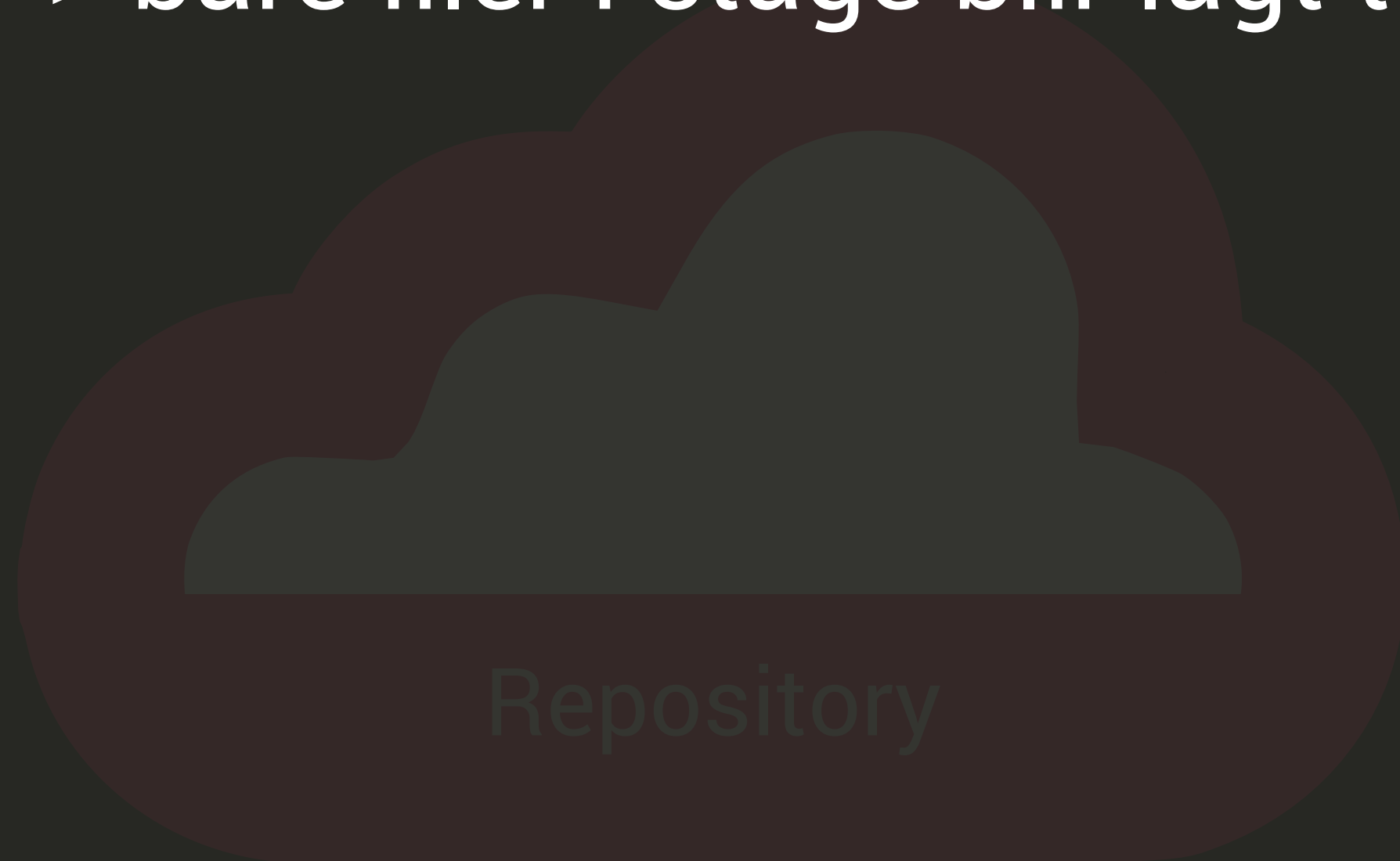
Working directory

Versjonskontroll

- > stage eller index
- > endringer som er klare for å legges til
- > bare filer i stage blir lagt til i repo



Stage



Repository



Working directory

Versjonskontroll



Repository



Stage



Working directory

Versjonskontroll

> pull

> hent nyeste fra
serveren

> gir deg siste
endringer i aktiv
gren

```
$git pull
```

konseptene

> pull

> push

> send dine
endringer til
serveren

> du må ha
nyeste endringer
før du kan sende
dine

```
$ git push <remotename> <branchname>
```

konseptene

> pull
> push

> commit

> legger til et
punkt i historien
> lagres lokal
hos deg
> legger bare inn
i filer som er
sjekket inn

```
$git commit -m "beskrivelse"
```



Fixed pretty much everything ...

I can't remember everything I did, I was pretty drunk. But it works.

> pull

> push

> commit

> status

> se nye filer

> se endringer

> kjør status ofte

> sanity check

før hver commit

```
$git status
```

konseptene



> pull

> push

> commit

> status

> add

> sjekk inn fil i
stage

```
$git add [filnavn]
```

konseptene



> pull

> push

> commit

> status

> add

> branch

> lag en ny gren

> lettere å

samarbeide

> lettere å holde

kontroll på

historien

```
$git branch [ny-branch]
```

konseptene



> pull

> push

> commit

> status

> add

> branch

> checkout

> sjekk ut en
gren til ditt
lokale repo

```
$git checkout [branchnavn]
```

konseptene



- > pull
- > push
- > commit
- > status
- > add
- > branch
- > checkout

- > merge

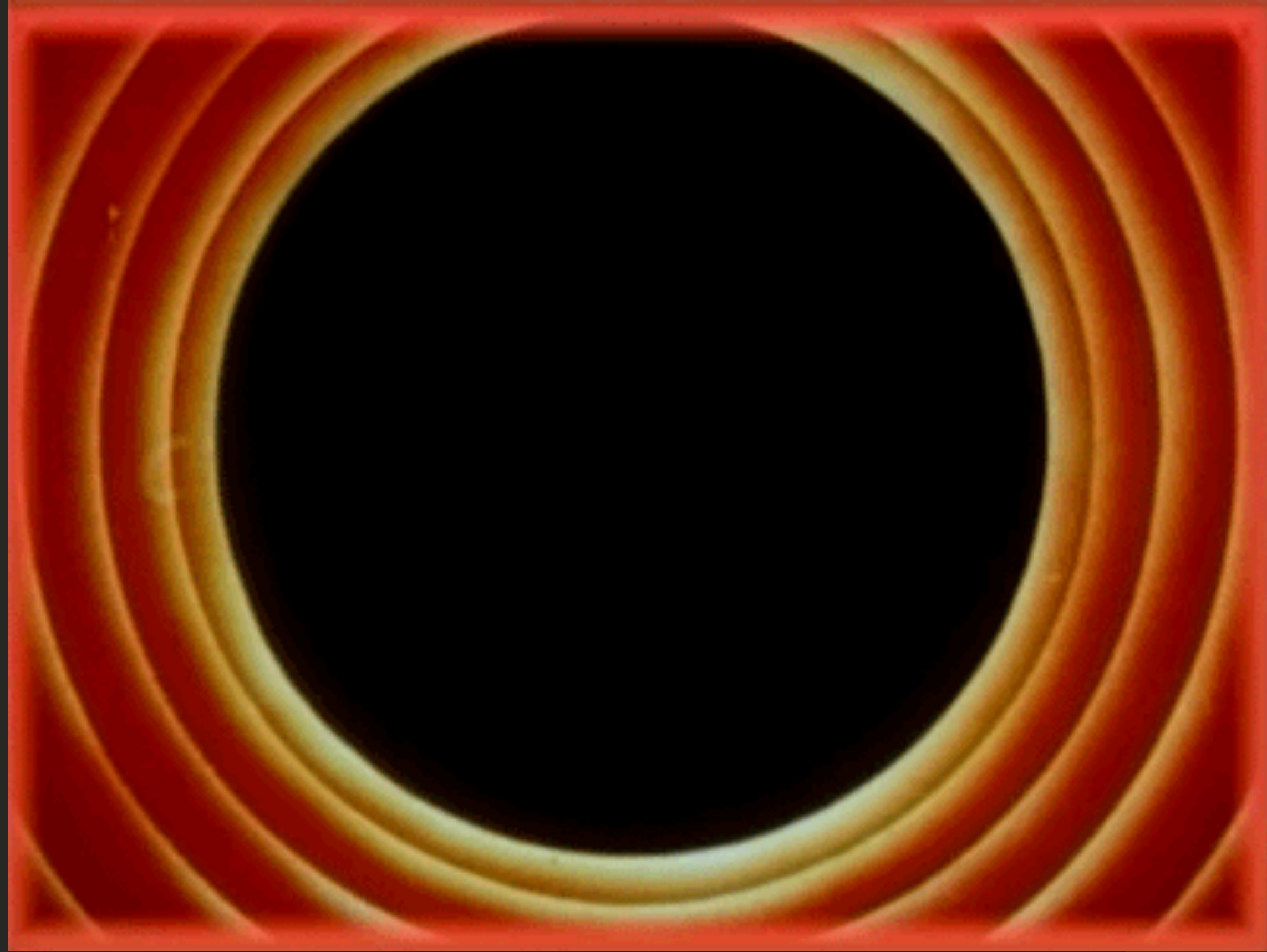
- > slå sammen to grener
- > slår alltid sammen i grenen du har aktiv

```
$git merge [branchnavn]
```

konseptene



- > pull
- > push
- > commit
- > status
- > add
- > branch
- > checkout
- > merge

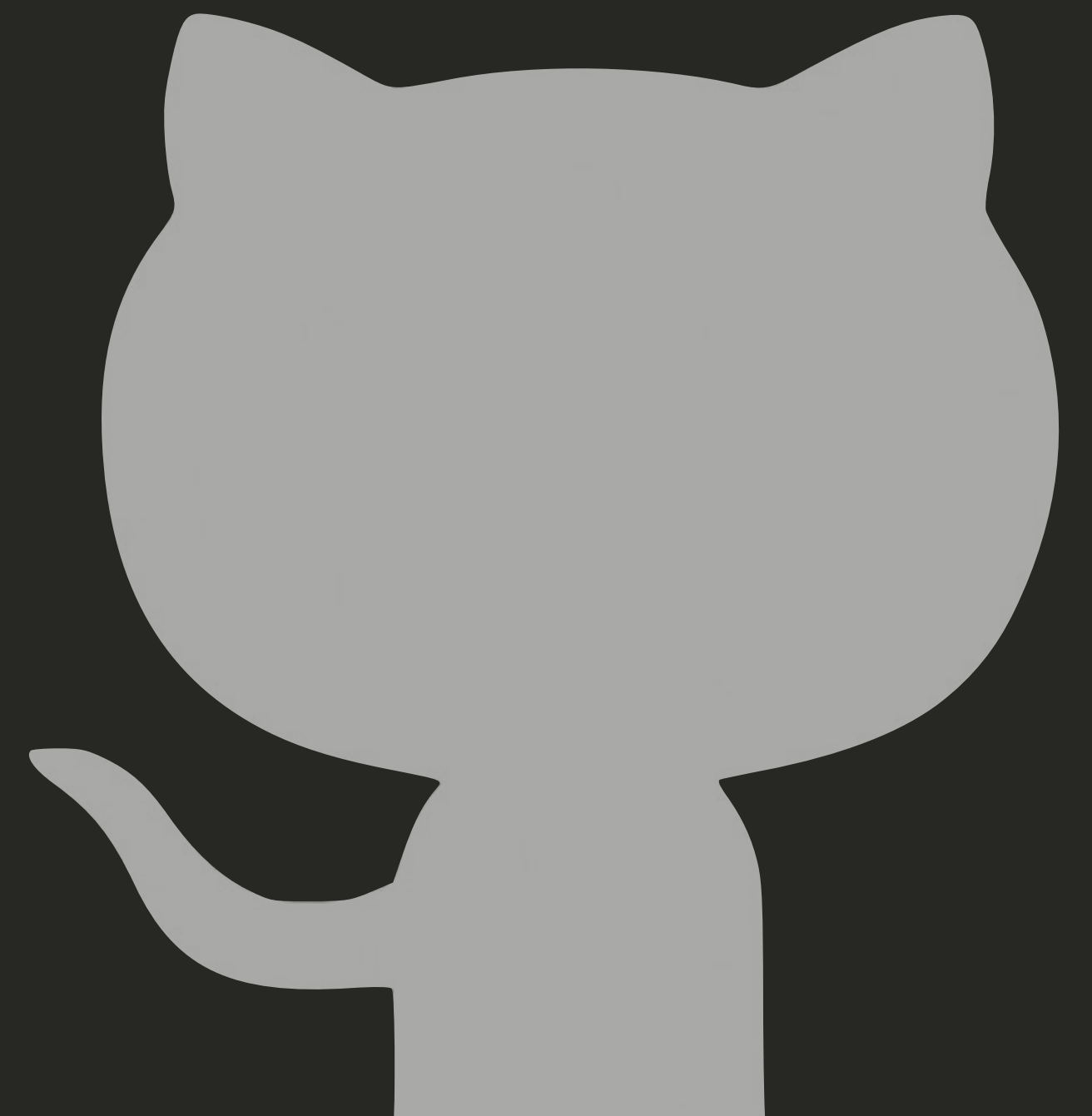


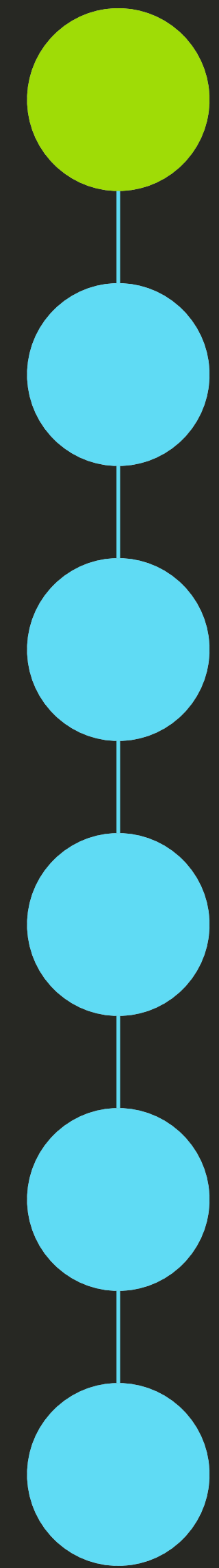
konzepter

THAT IS OBVIOUSLY



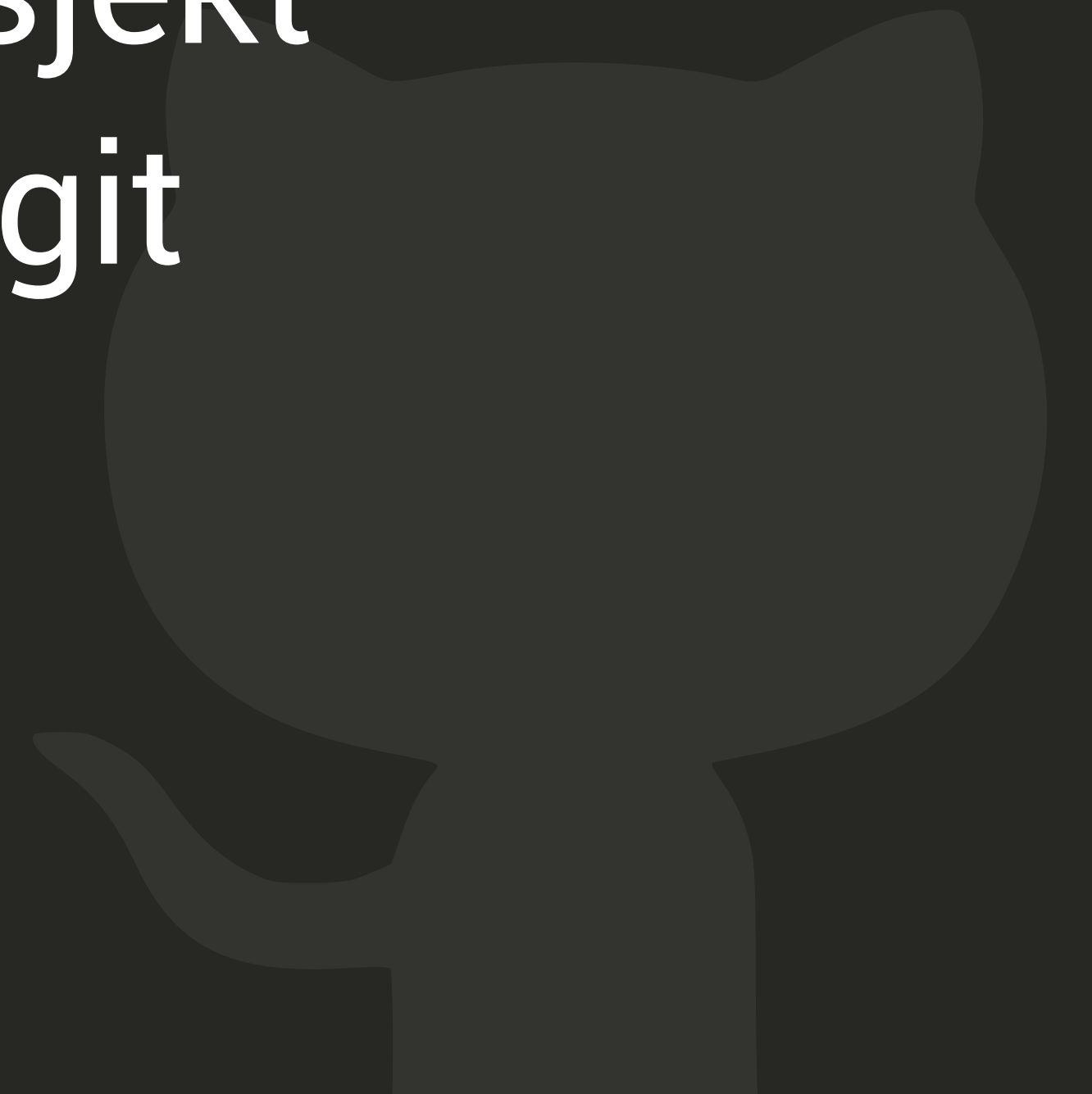
ALIE



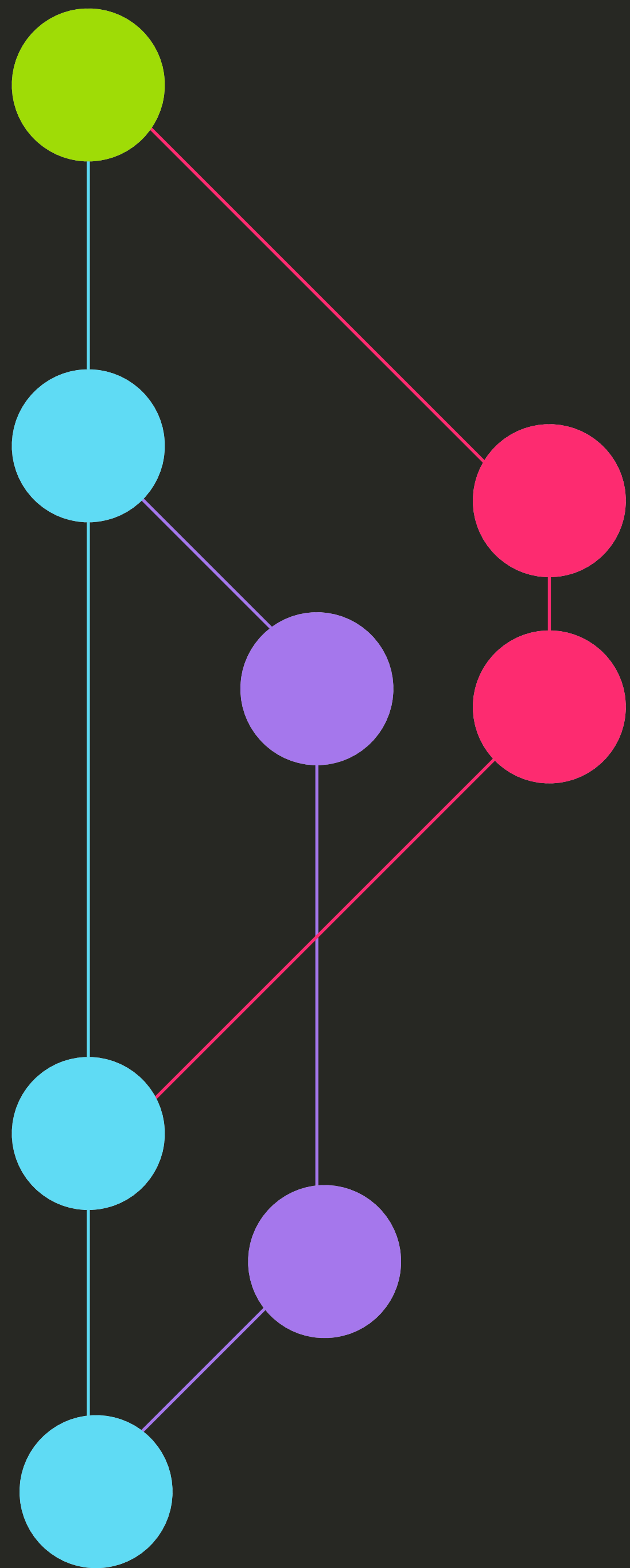


workflow

- > en enkelt linje med historie
- > greit for veldig enkle prosjekt
- > utnytter ikke styrkene til git



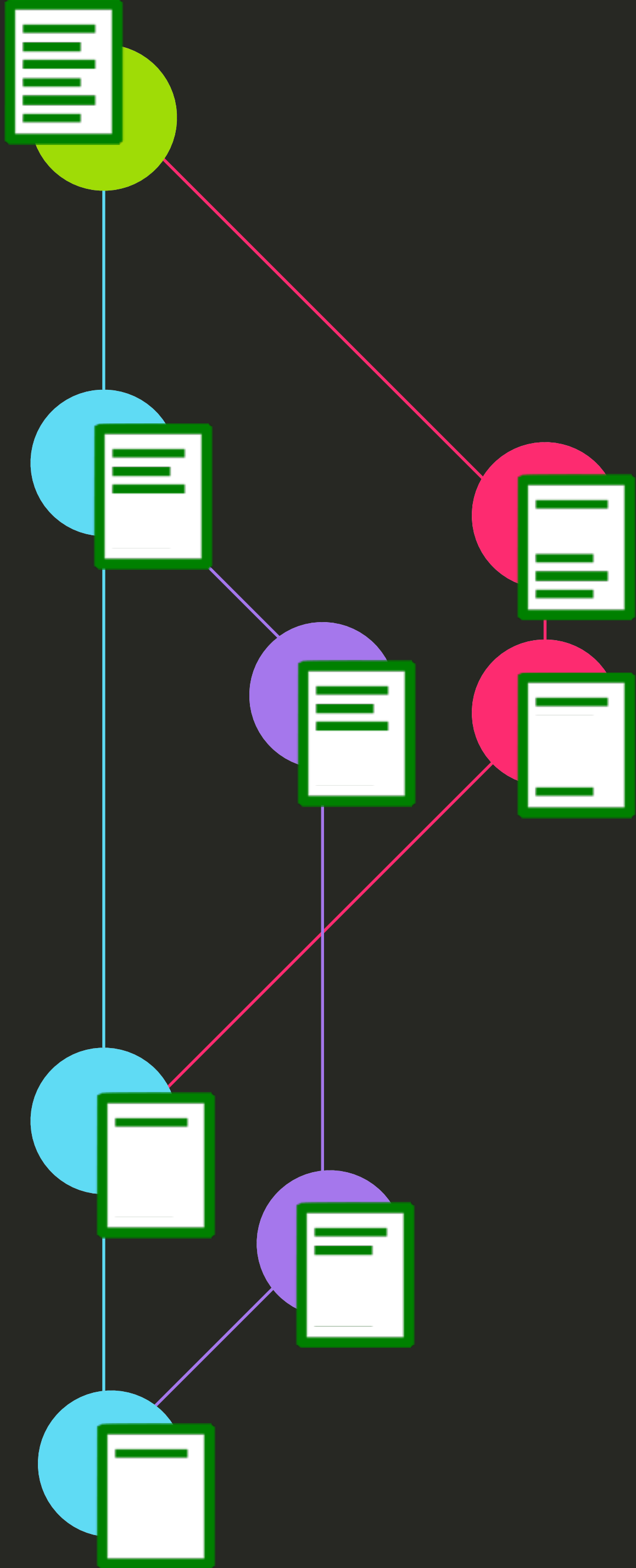
Workflow



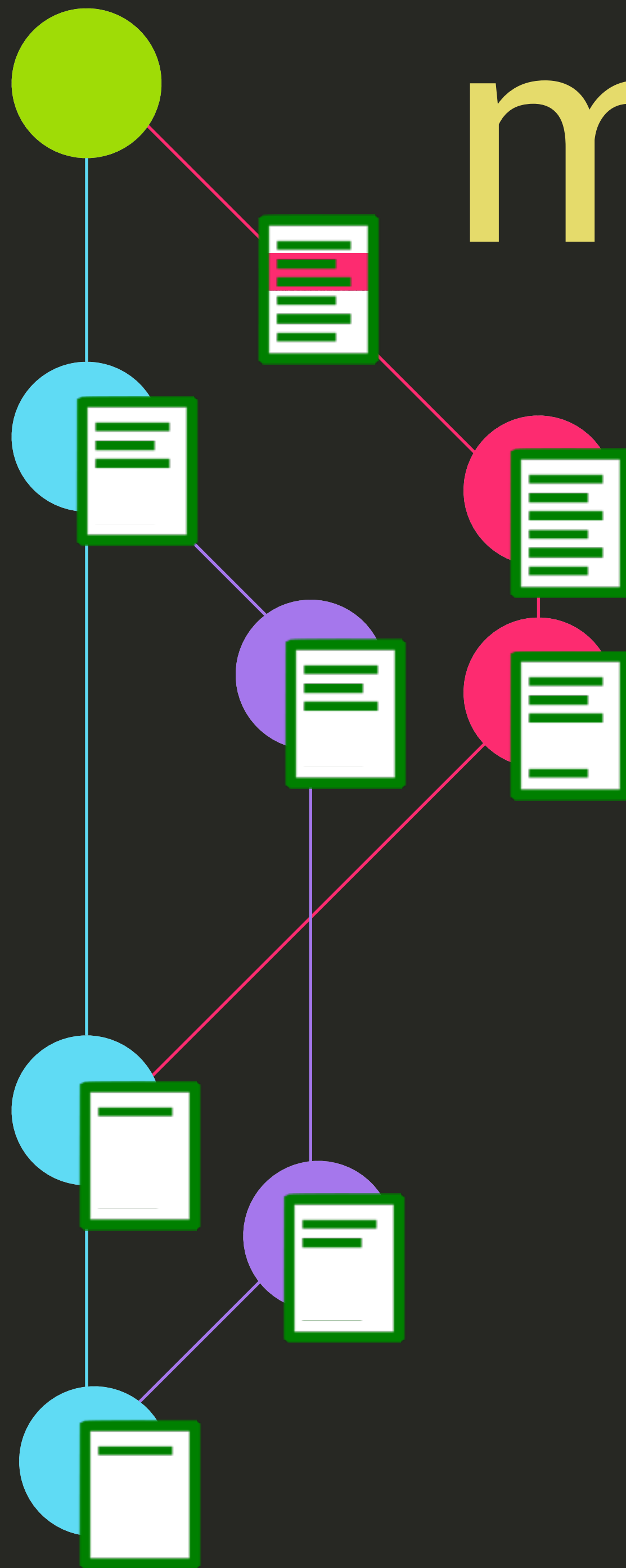
- > feature based workflow
- > ny funksjoner lages i egne grener
- > master branchen virker alltid
- > åpner for mer samarbeid

merge

- > slå sammen endringer fra to brancher
- > kan være endringer i samme fil



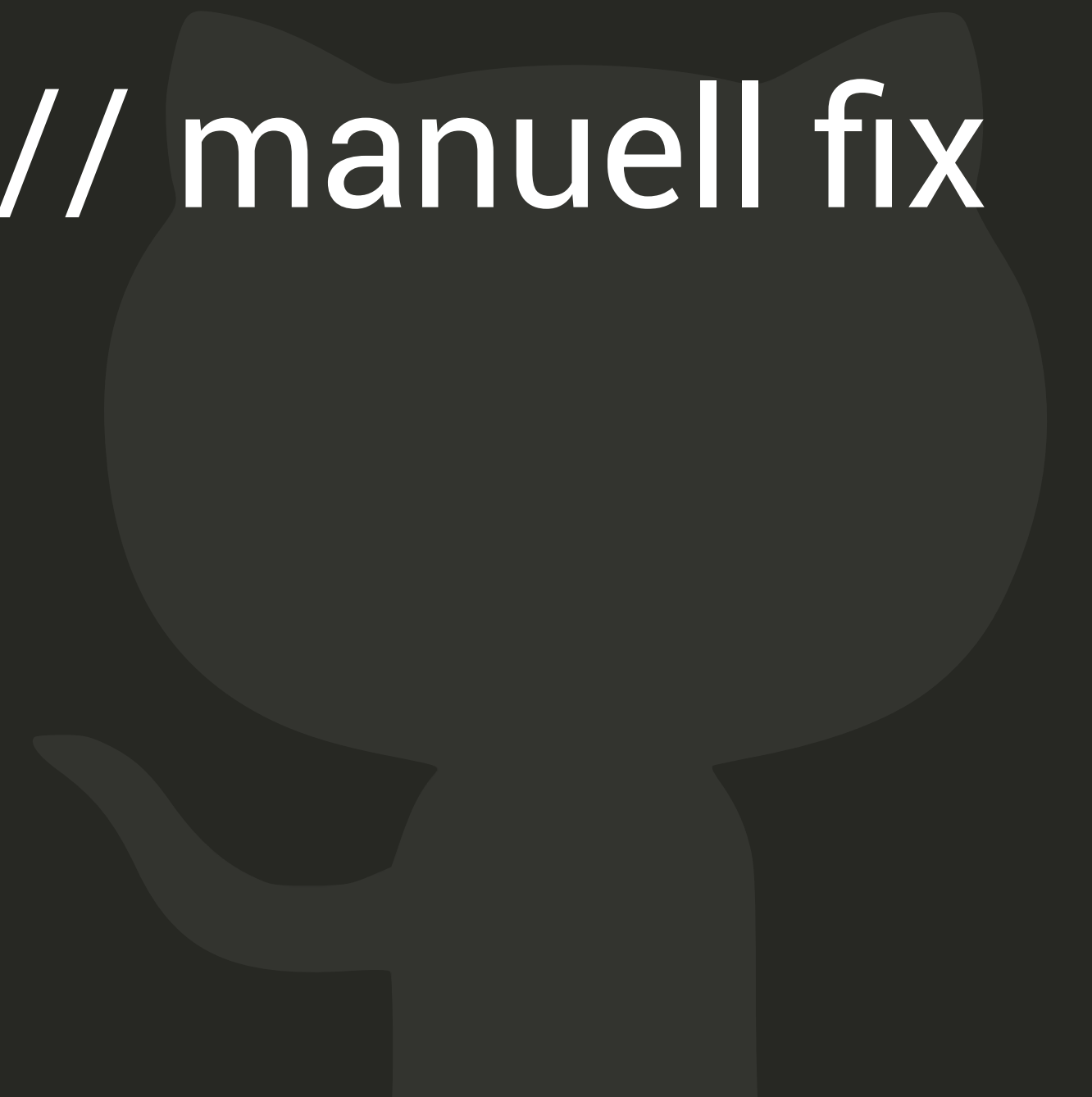
merge konflikter



> hvis samme fil har blitt endre på
samme sted

> bruk diff-verktøy

> take local // take other // manuell fix



verktøy



Versjonskontroll



GUI verktøy



Repo hosting



> linux

sudo yum install git-all

sudo apt-get install git-all

> macOS

git

> Windows

git-scm.com/download/win



```
$ git clone https://github.com/lfberge/versionskontroll
```

<https://services.github.com/kit/downloads/github-git-cheat-sheet.pdf>

<https://www.atlassian.com/git/tutorials/learn-git-with-bitbucket-cloud>

<https://try.github.io/levels/1/challenges/1>

<http://rogerdudler.github.io/git-guide/>