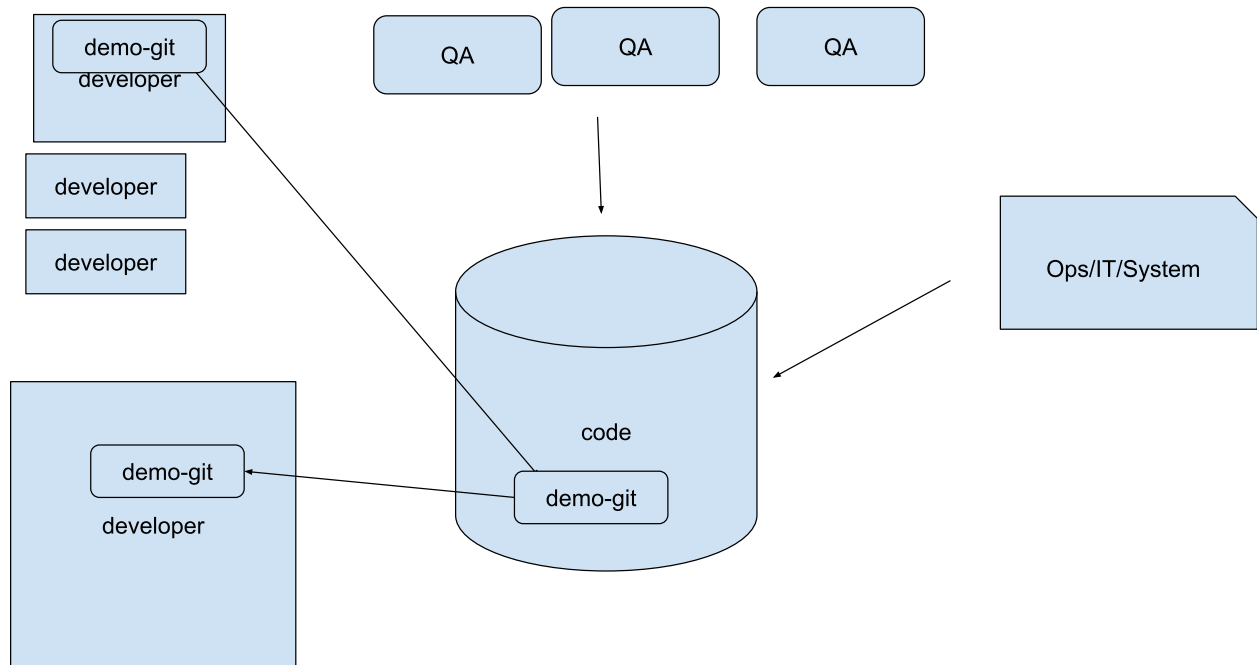


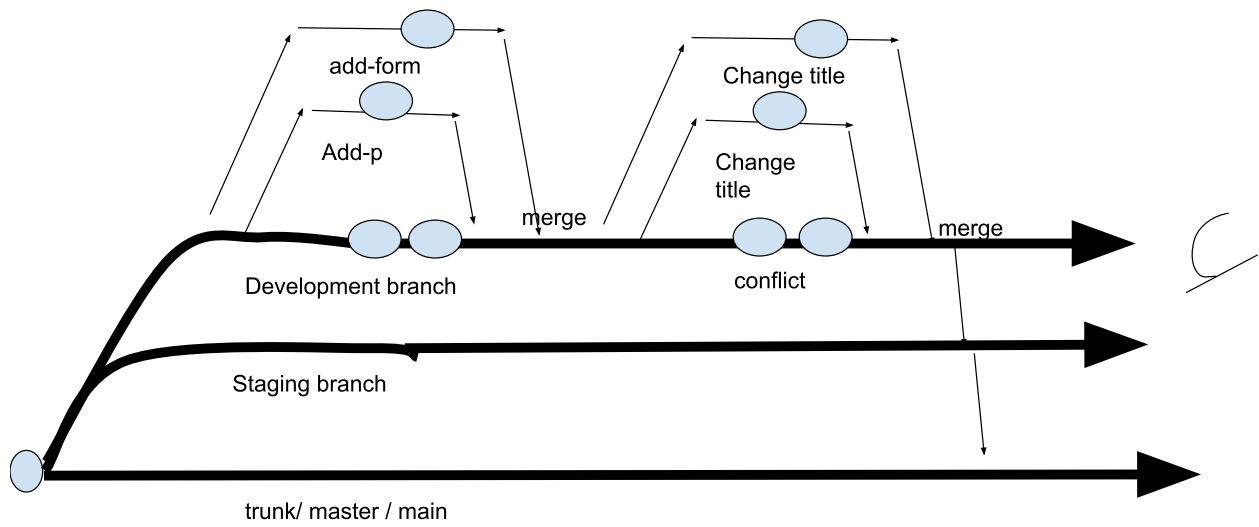
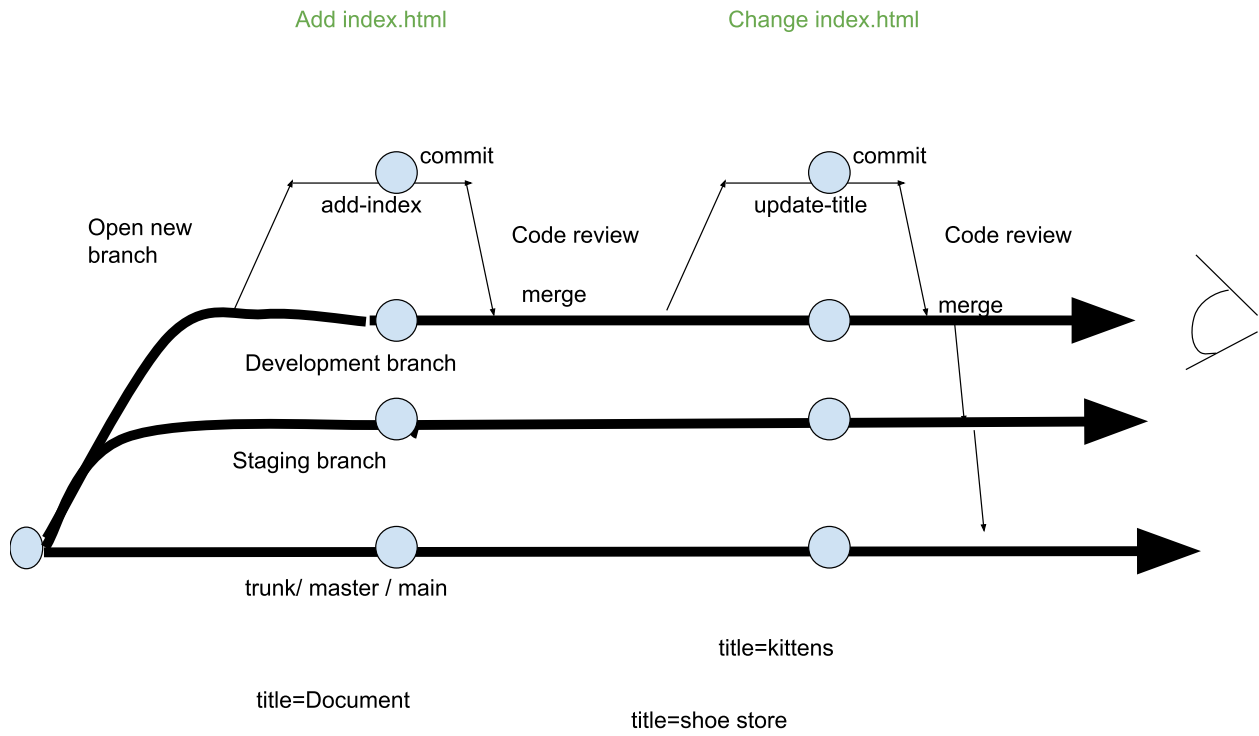
Git

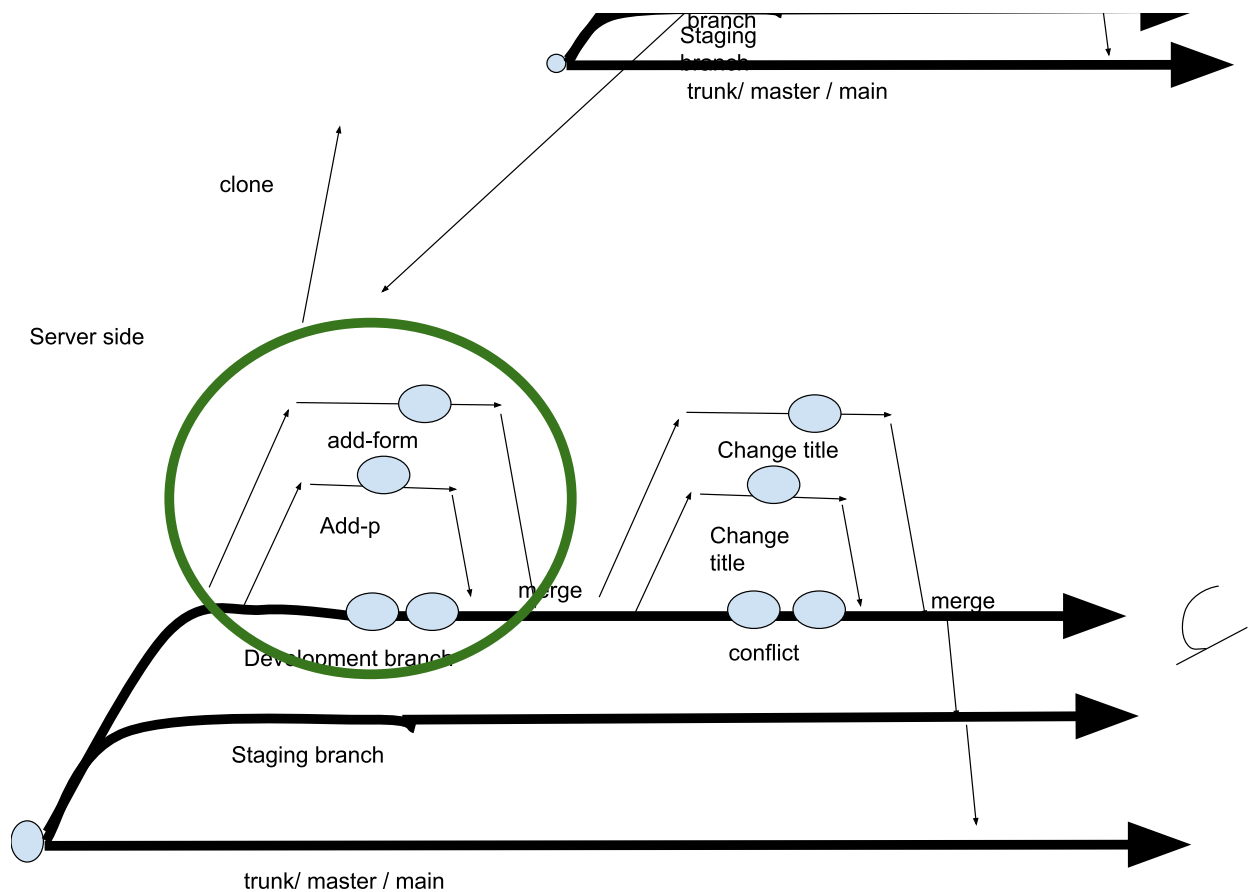
- Distributed version control system
- Collaborative work



Git repository

מאגר של קוד, אותו מנהלת תוכנה בשם git





ההבדל בין git ל-github
 גיט היא תוכנה לניהול קוד
 גיטהב הוא שירות המאפשר לנו להשתמש בגיט הרץ על מחשבי גיטהב.

Common CLI commands (CLI - Command Line Interface, e.g. the terminal)

- pwd - present working directory - will show where the terminal is located currently in the file system
- ls - list files, will list files in the pwd
- ls -a - list hidden files as well
- ls -la - list all files in a better looking list
- cd - change directory
 - cd some-dir - will go inside some-dir
 - cd ../ will go one level up

- cd ../../ will go two levels up
- mkdir - create directory
- rmdir - remove directory
- cat - display file content

<https://git-scm.com/downloads>

git config --global user.name "shaharsol"

git config --global user.email "shahar@gnift.com"

Git init - פקודה המאתחלת גיט רפוזיטורי חדש לגמרי. כאשר נריץ git init בתוך ספרייה כלשהי (pwd), מה שיקרה הוא שתיווצר תיקייה חדשה בתוך ה-pwd שתיקרא git.

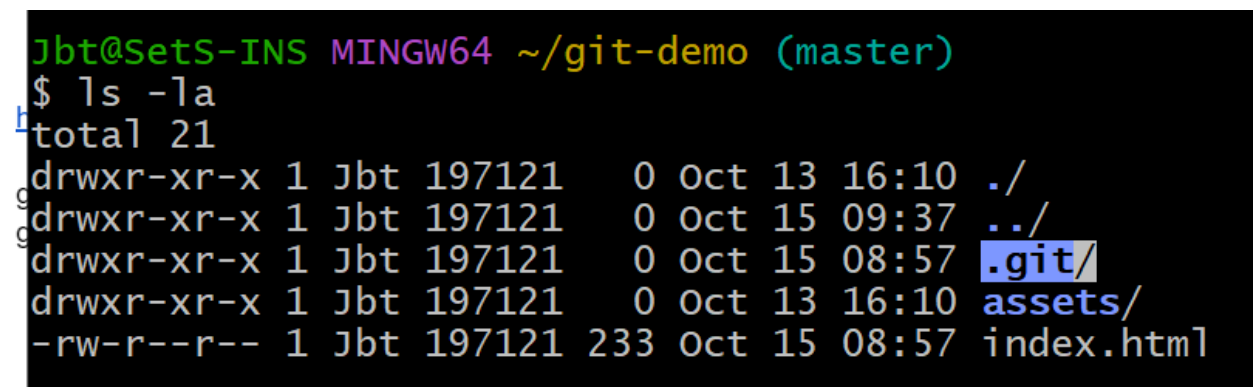


```

MINGW64:/c/Users/Jbt/git-demo
Jbt@SetS-INS MINGW64 ~/git-demo (master)
$ git init

```

עצם הימצאות התיקייה git בתוך תיקייה אחרת, הופך את התיקייה האחרת לגיט רפוזיטורי



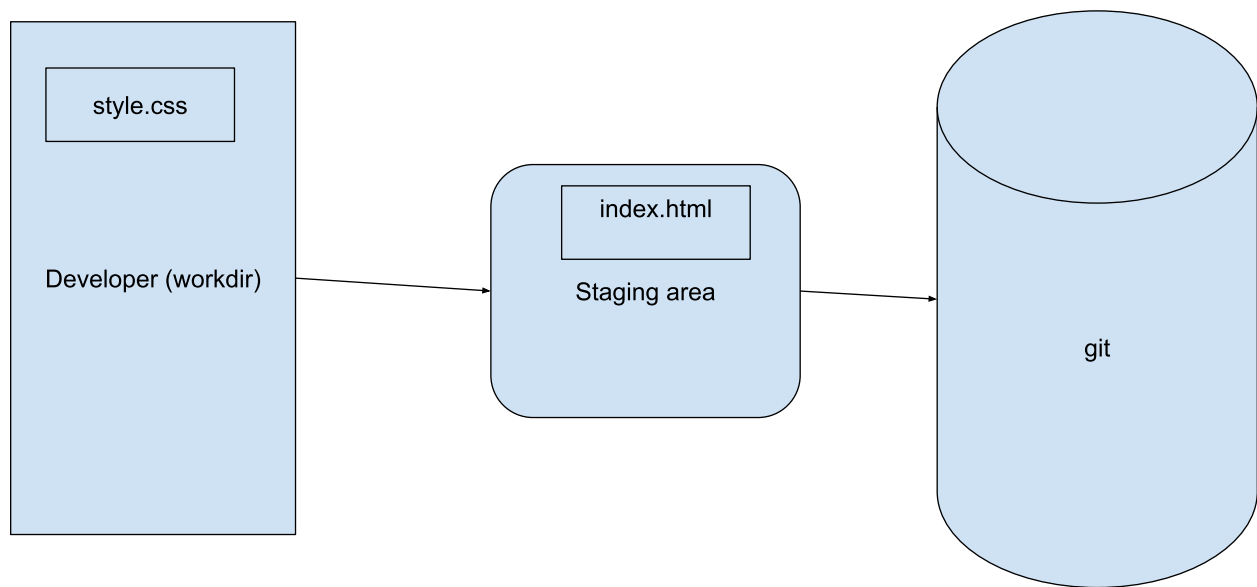
```

Jbt@SetS-INS MINGW64 ~/git-demo (master)
$ ls -la
total 21
drwxr-xr-x 1 Jbt 197121 0 Oct 13 16:10 ./
drwxr-xr-x 1 Jbt 197121 0 Oct 15 09:37 ../
drwxr-xr-x 1 Jbt 197121 0 Oct 15 08:57 .git/
drwxr-xr-x 1 Jbt 197121 0 Oct 13 16:10 assets/
-rw-r--r-- 1 Jbt 197121 233 Oct 15 08:57 index.html

```

git status - will display status about current workdir situation

git commit -m "added index.html file"



git add - adds files to staging area

git add index.html

git add . (<= a command to add all files to staging)

git log - shows the history of the repository

git clone - clones a remote repository (e.g from GitHub) to my local computer. Usage:

git clone {some url to a git file}.

git clone <https://github.com/shaharsol/demo-git/demo-git.git>

git push - pushes commits to a remote repository

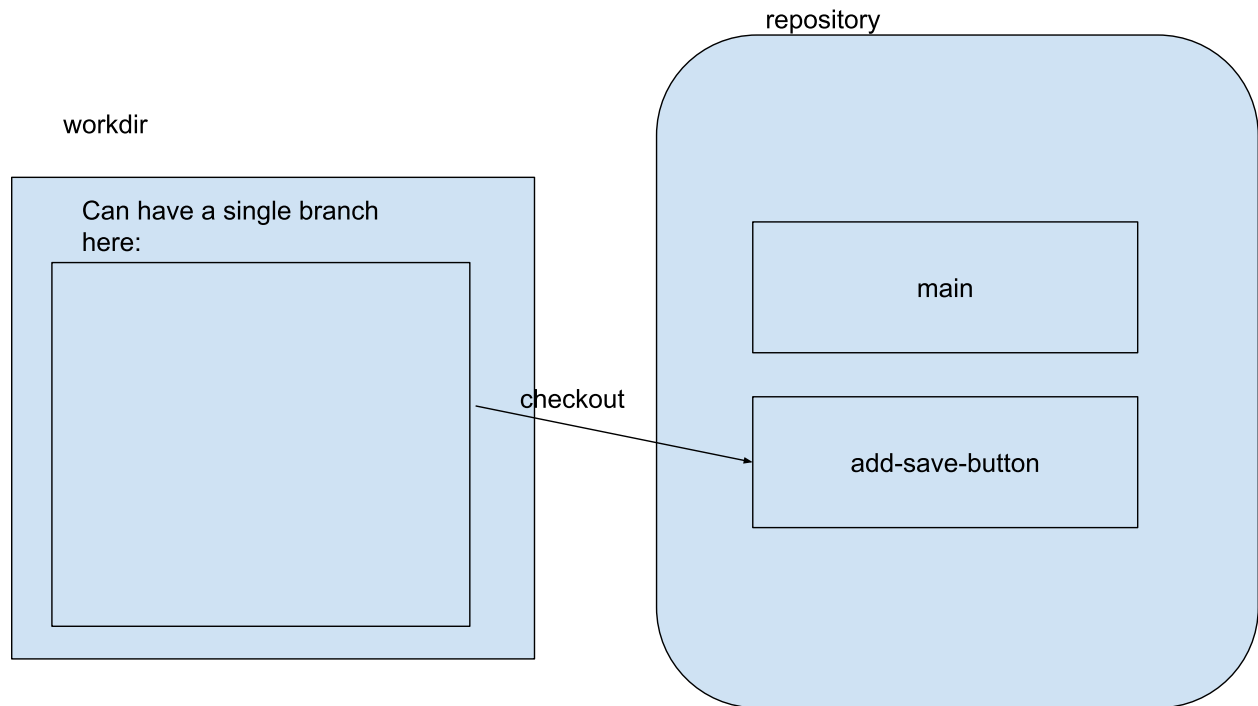
git pull - sync changes from a remote repository to my local repository

git branch

List branches - git branch

Create branch - git branch add-save-button

git checkout {a branch name} - replaces the working dir content, with the content of the branch. Any git command from now on, will apply to the checked out branch



git branch -D {branch name} - deletes a branch

Short cut to create a new branch and check it out:

git checkout -b {branch name}