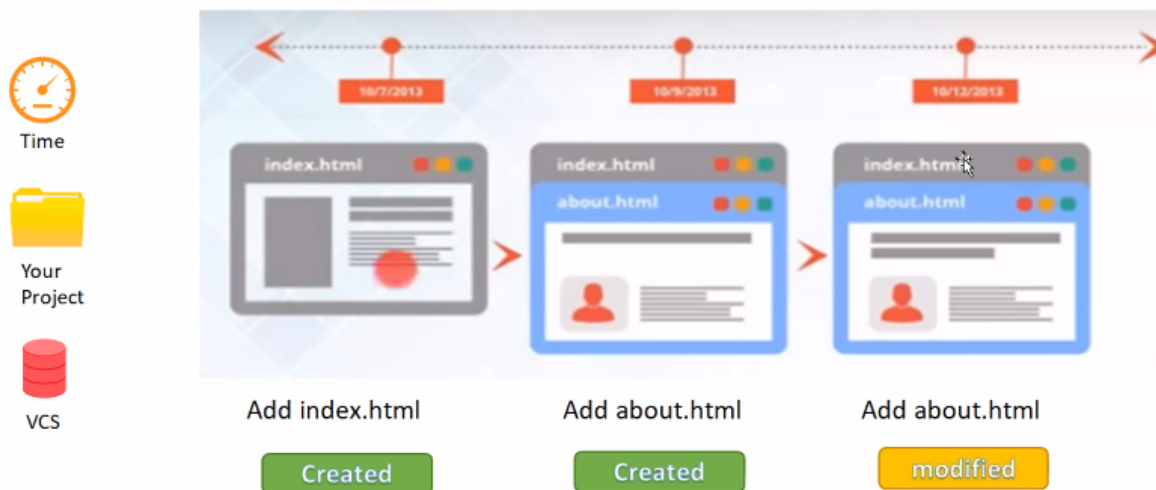


# GITHUB

## Version control system

- Helps to record changes made file by keeping a track of modification due to the code
- Keeps track of all project

## Version Control System(VCS)



## Types

- LVCS - Local
- VCCS - Centralized
- DVCS - Distributed

### LVCS - stored in local

- All changes rec in local
- manage version all the files within local system

### Centralized

- Pushed into centralized

- every one get own copy
- commit

#### Distributed

- No local copy
- own port

| Centralized Version Control System  | Distributed Version Control System  |
|---|---|
| Centralized version control is the simplest form of version control in which the central repository of the server provides the latest code to the client Machines | Distributed version control is the form of version control where the complete codebase(including its full history) is mirrored on every developers computer |
| There are no local repositories   | There are local repositories  |
| Works comparatively slower  | Works faster  |
| Always require internet connectivity  | Developers can work with a local repository without an internet connection  |



- Git it is an open source distributed version control System
- Git will allow you to create local depository in local machine and it will help you to access your remote repository to fetch files or push files
- It designed to handle minor to major projects with high speed and efficiency
- It is developed to coordinate the work among the developers
- The version control allows us to track and work together with our team members at the same work space
- The term version control system suggests a system that records all the changes made to a file or set of data, so a specific version can be considered whenever needed.