



GIT

WHAT? WHY? HOW?

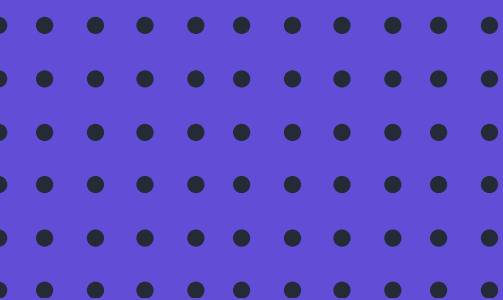


# WHAT IS GIT?

**GIT IS A TOOL THAT PROTECTS YOURSELF AND OTHERS FROM YOURSELF AND OTHERS**


**GIT IS A VERSION CONTROL SYSTEM**

**GIT EXISTS SO YOU CAN  
MODIFY/CHANGE/BREAK/IMPROVE YOUR CODE,  
SECURE IN THE KNOWLEDGE THAT YOU CAN NOT  
RUIN YOUR WORK TOO BADLY BECAUSE YOU  
CREATED SAVE POINTS ALONG THE WAY.**

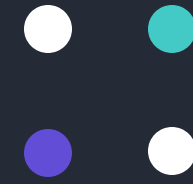




# WHY USE GIT?

- 01 AVOID CONFUSION WHEN MULTIPLE PEOPLE ARE WORKING ON SAME FILES**
  - 02 MULTIPLE CODEBASES IN ONE CODEBASE (FEATURE BRANCHES)**
  - 03 IT IS LITERALLY WHAT EVERYONE IS USING**
  - 04 BUILD A SHOWCASE FOR YOUR PROJECTS**
  - 05 MANAGE HUGE PROJECTS WITH EASE**
- 

# LOCAL WORKFLOW



## GIT INIT



# LOCAL WORKFLOW



## STAGING AREA

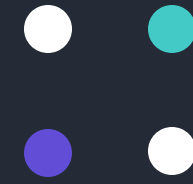
working directory

staging area

repository



**LOCAL WORKFLOW**

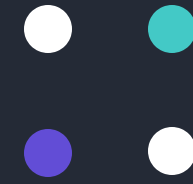


# **SEE THE STATUS**

**SHOW CURRENT STATUS OF THE REPO  
DOES NOT AFFECT THE STATE  
“HOW DO I FIGURE OUT WHAT  
HAPPENED”**



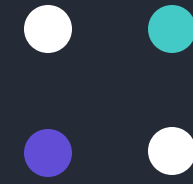
LOCAL WORKFLOW



VIEW YOUR CHANGES



**LOCAL WORKFLOW**



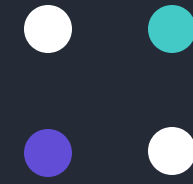
# **ADD CHANGES**

**INCLUDE ALL THE CHANGES FROM THIS  
FILE/FOLDER TO THE STAGING AREA**





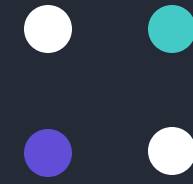
LOCAL WORKFLOW



VIEW YOUR STAGES  
CHANGES



**LOCAL WORKFLOW**



**SAVE THE STAGING AREA**

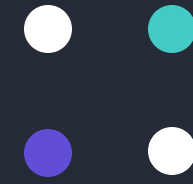
**TAKE A SCREENSHOT OF THE WORKING  
AREA**

**SAVE POINT IN VIDEO GAME**

**SAVE YOUR WORK TO "GIT"**



**LOCAL WORKFLOW**



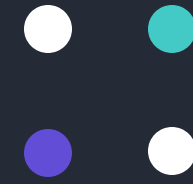
**VIEW YOUR COMMIT**

**SEE THE LOG**

**SEE THE HISTORY OF THE REPO**



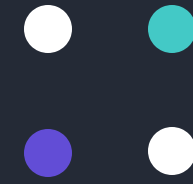
# REMOTE REPOSITORIES



## CLONE



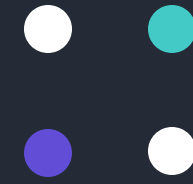
REMOTE REPOSITORIES



PULL AND FETCH



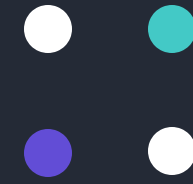
**BRANCHING**



**THE MASTER**



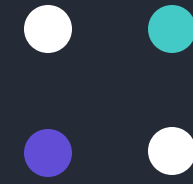
**BRANCHING**



# **CREATING NEW BRANCHES**



**BRANCHING**

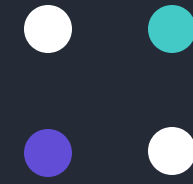


# **MOVING TO A DIFFERENT BRANCH**





BRANCHING



# MERGE

## THE BIG BADDIE



# SOME JOKEs FOR THE ROAD



YOU CAN CHECKOUT ANY TIME YOU  
LIKE, BUT YOU CAN NEVER DIFF.

EAGLES - HOTEL CALIFORNIA

GIT-CHERRY-PICK DOES NOT YIELD  
ACTUAL DELICIOUS CHERRIES

GIT: MULTIPLAYER NOTEPAD

*Thanks*