ACM

STUDENT CHAPTER - HITK

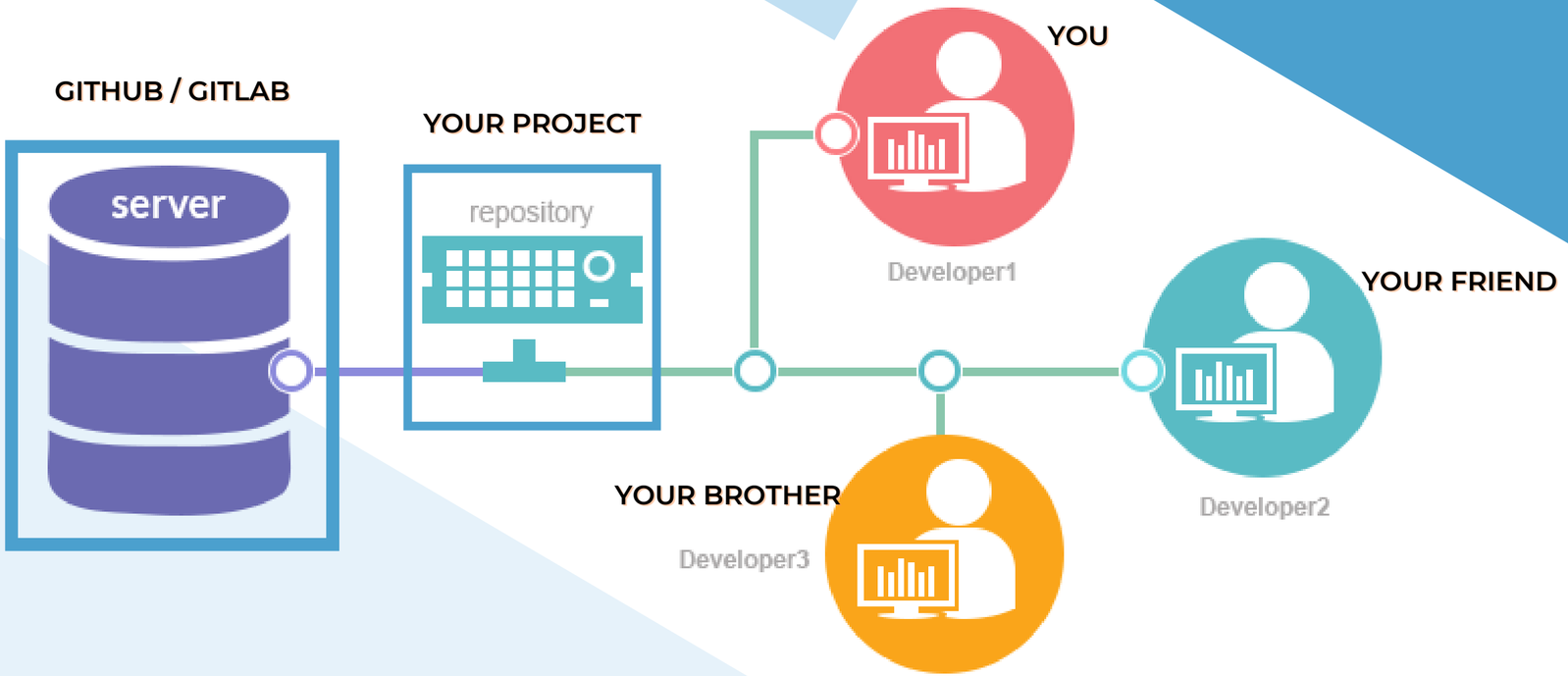
Advancing Computing as a Science & Profession

INTRODUCTION TO GIT & GITHUB

ROADMAP

1. **Git……What is that?**
2. **Why Git? Git vs GitHub**
3. **A few key commands…**
4. **Benefits!**

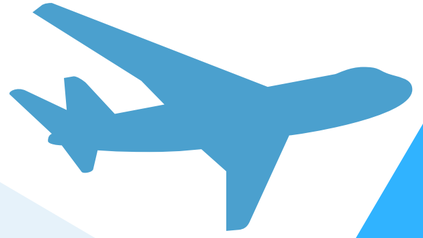
WHAT IS GIT?



Git is a **free** and **open-source** **distributed version control system** designed to handle everything from small to very large projects with speed and efficiency.

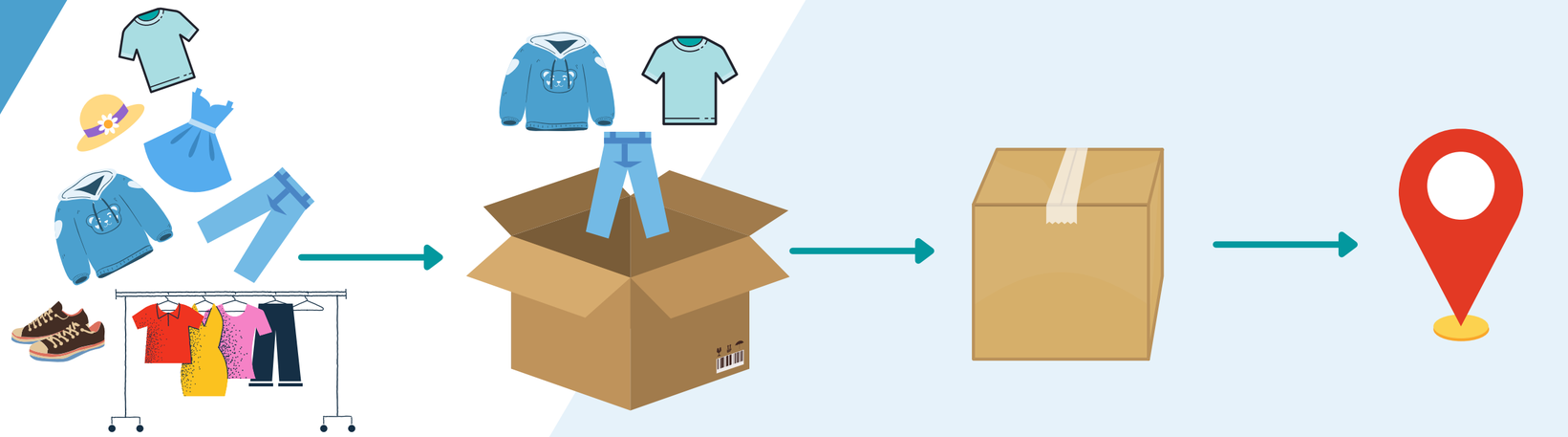
UNDERSTANDING GIT

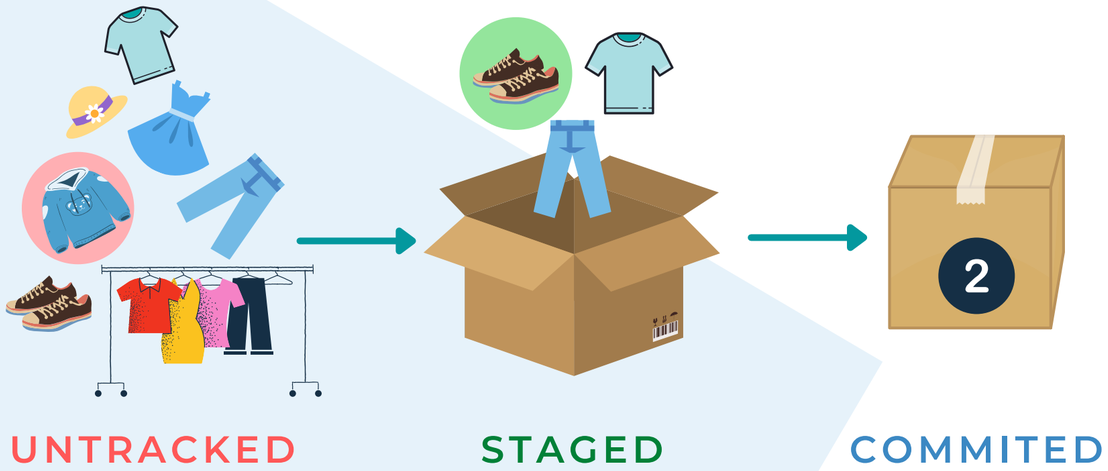
TRAVEL ANALOGY



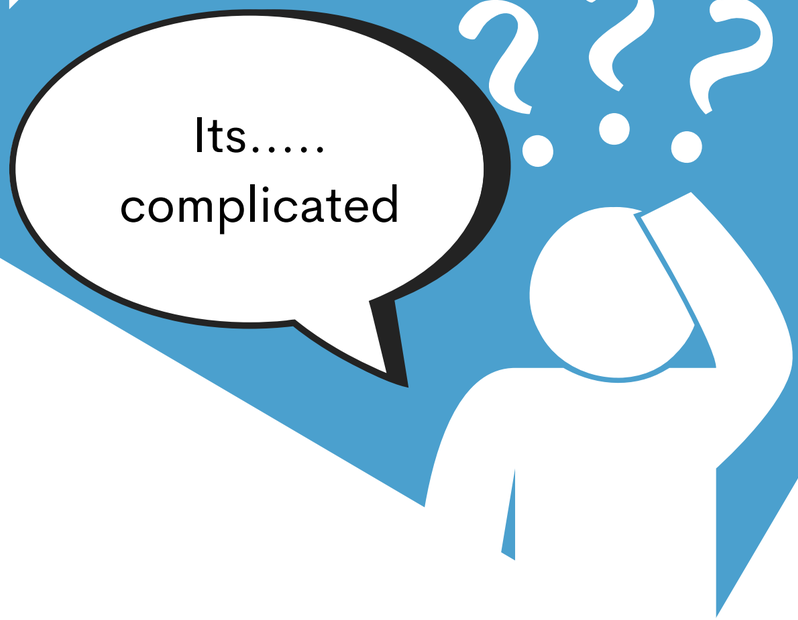
Flow

- **Untracked Files**
- **Staging Area**
- **Commit**
- **Push**



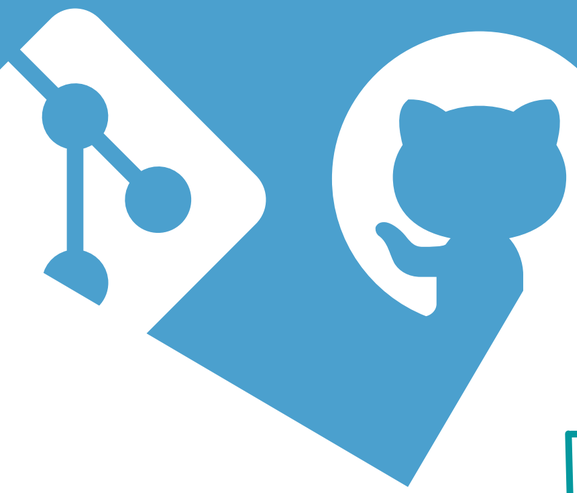


WHY LEARN GIT?



Can you do this a hundred times?
Keep track of every version?
Compare the changes in each version?

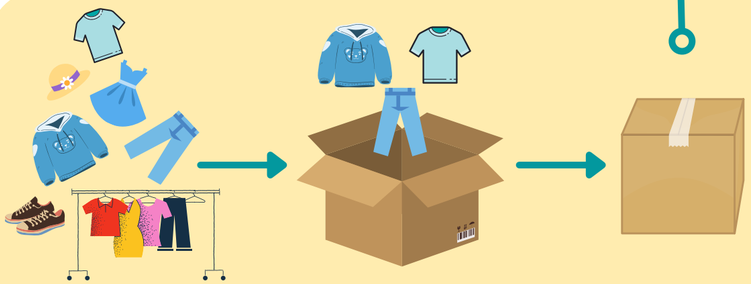
GIT VS GITHUB - THE LEGENDARY DUEL



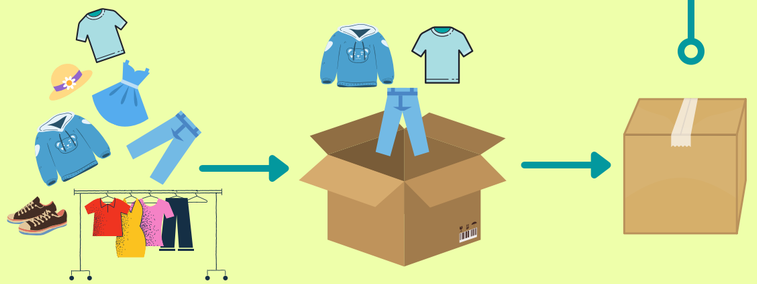
YOUR BROTHER

GITHUB / GITLAB

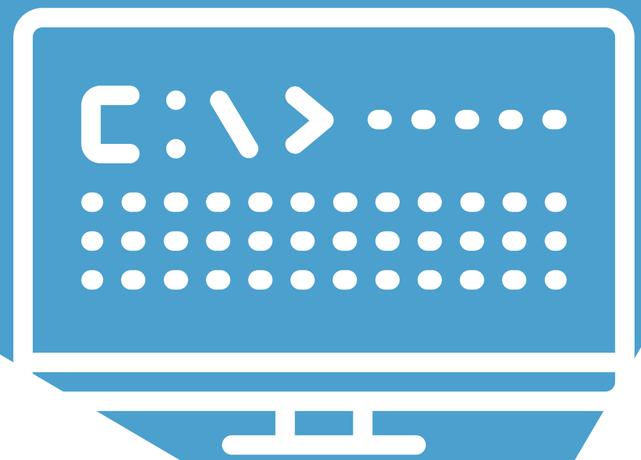
YOU



YOUR FRIEND



BASIC COMMANDS



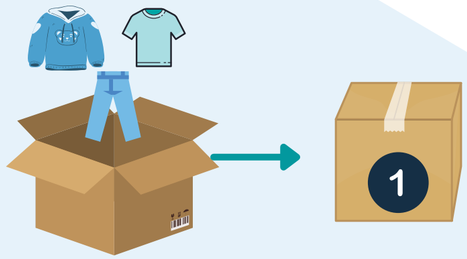
git add [files]

UNTRACKED STAGED

git status

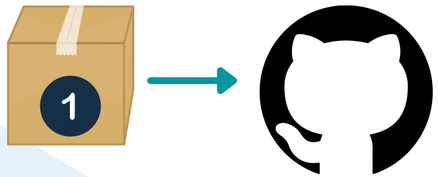
STATUS

git commit -m "your msg"



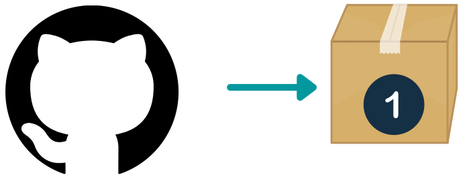
STAGED COMMITED

git push



COMMITED GITHUB

git pull

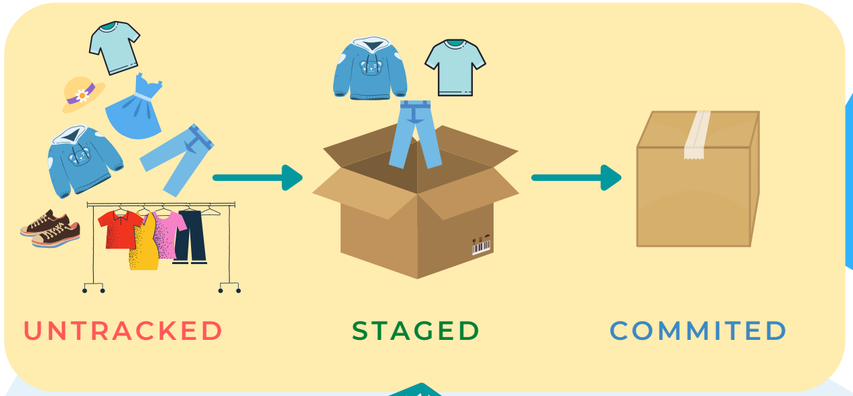


GITHUB CLONED

GIT BRANCH

MASTER / MAIN

YOUR WARDROBE



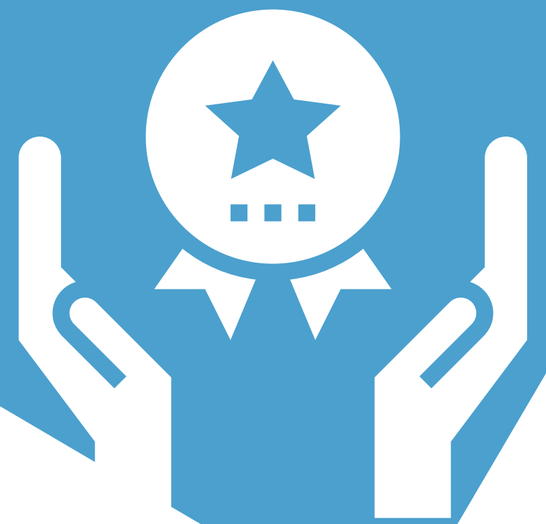
git checkout -b dancer

git push

GITHUB

DANCE CLUB

BENEFITS



- Open Source Contributions

- Open Source Projects:

  Mozilla, freeCodeCamp, VS Code, TensorFlow, etc

- Industrial and Research Internships (Codebase)

- Google Summer of Code

- Hacktoberfest

IF YOU WANT TO EXPLORE MORE CHECK THIS PLAYLIST

CODING TRAIN GITHUB TUTE

Follow Us:

THANK YOU

Stay Safe and Healthy

Contact Us:

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