SESSION S AS A PROJECT REPOSITION OF THE CHILD A

# **OBJECTIVES**

- > Explain GitHub
- > Differentiate between Git and GitHub
- > Describe how to create a GitHub repository
- Describe Branching, Committing, and Pulling in GitHub

# INTRODUCTION TO GITHUB 1-2

Platform for users to work together and create collaborative code

Setting Up and Maintaining code on GitHub

As of April 14, 2020, GitHub announced that all of the core GitHub features are now free for everyone.

Store

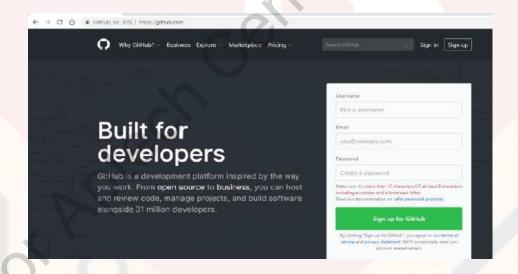
Manage

Control and Track the repositories

# INTRODUCTION TO GITHUB 2-2

Public account are free of cost whereas private is to be paid

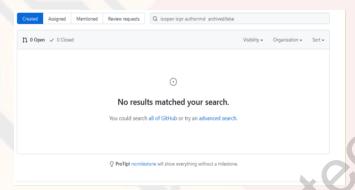
View the repositories created by the user on GitHub



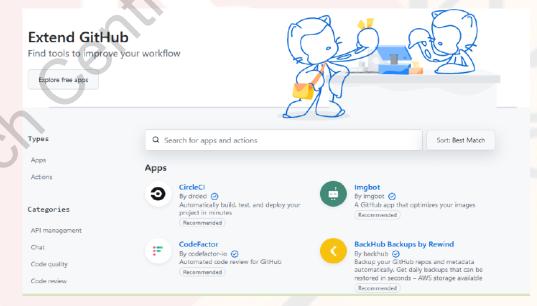
#### GITHUB WEB INTERFACE 1-2

Collaboration of users

Extend and Explore GitHub



Marketplace menu displays tools/apps on GitHub



Enables users to check topics, trending repositories, and more

### GITHUB WEB INTERFACE 2-2

Cloning Mechanism

Process of Pushing

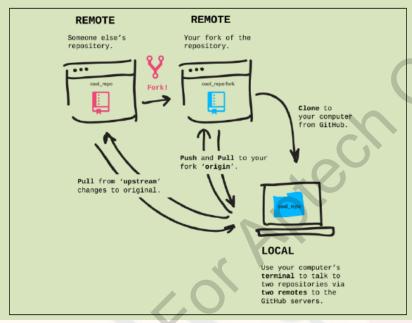


Image Courtesy: http://jlord.us/gitit/challenges/forks\_and\_clones.html

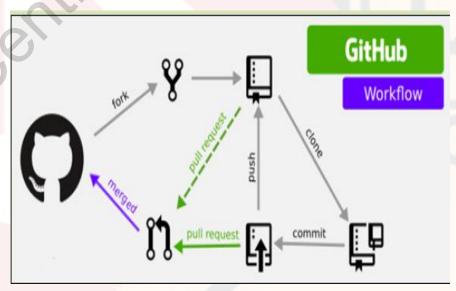
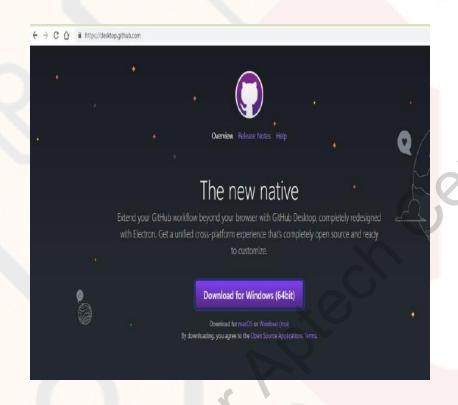


Image Courtesy: https://levelup.gitconnected.com/how-to-sync-forked-repositories-usinggit-

or-github-2933e497fa16

# INSTALLING GITHUB DESKTOP





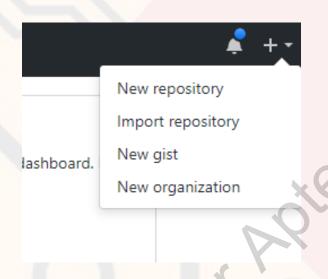
Visit the GitHub Desktop Web page at https://desktop.github.com and download the .exe file.

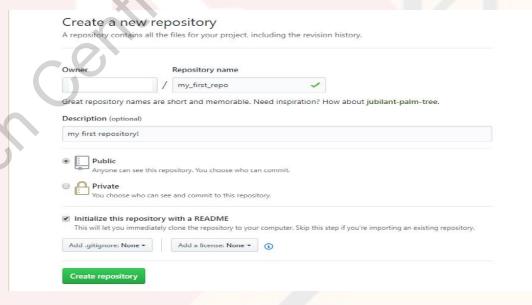
# GITHUB BASICS GitHub View and Delete Branching in Creating Committing in GitHub Repository Branches GitHub

# CREATING A REPOSITORY IN GITHUB

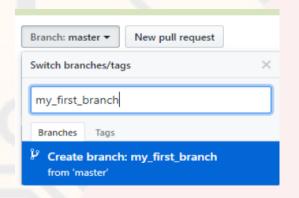
Navigate the GitHub page

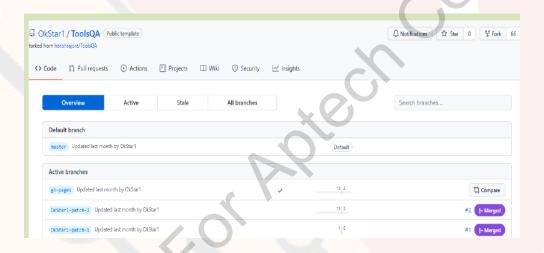
Initialize the repository





#### BRANCHING IN GITHUB





#### <u>GitHub</u> Statistics In 2021

Total Number of GitHub Users: 73+ million!

Number of repositories hosted on GitHub: 200+ million!

Number of Organizations: 4+ million!

#### View the Default and Active branches

# VIEWING AND DELETING BRANCHES 1-2

Your branches: Displays the recent ones first.

Active Branches: Displays the last three months branches

Stale Branches: Inactive branches

All Branches: Default branches

# VIEWING AND DELETING BRANCHES 2-2

Steps to View repository

User should navigate on main page

Click <number>
branches, where
number
indicates the
current
branches

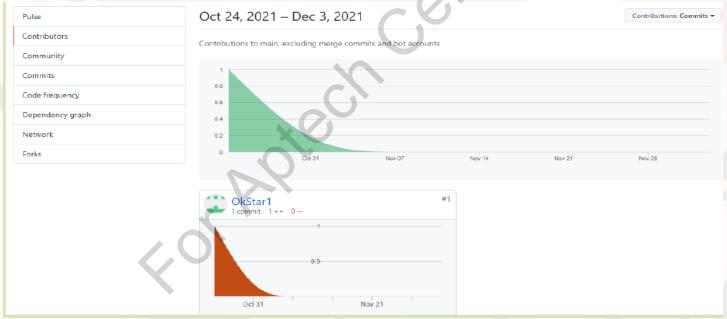
Steps to Delete repository

Scroll to deleted branch and click Delete symbol

# COMMITTING IN GITHUB







#### SUMMARY

- GitHub is a platform for developers to work together and create collaborative code
- GitHub repositories enables users to implement version control for projects
- Branches allows users to create features, fix issues, or explore within the repository
- Commit enables to save changes to the repository