**INTRODUCTION TO GITHUB**

**What is GitHub?**

* GitHub is a collaboration platform built on top of a distributed version control system called Git.
* GitHub is focused on developers, the people who code and create software.
* GitHub concentrates on three things:
  + Building a technology platform on which developers can create, share and grow the best code possible Nurturing a community for developers.
  + a safe and collaborative place that facilitates sharing, amplifies creativity, and supports the principles of open source Providing access.
  + opening up a community of opportunity, where new developers can be born and where experienced developers can hone their skills and expand their knowledge

**BASIC TERMINOLOGIES:**

1. **Git**: A tool that helps people keep track of changes made to their files over time. It's like a time machine for your work.
2. **GitHub:** A website where you can use Git. It's like a social network for developers, where they can share and collaborate on their projects.
3. **Organization (org):** A way for teams to work together on multiple projects. It's like a folder that holds all your team's projects in one place.
4. **Repository (repo):** A folder that holds all the files for a project. It's like a digital box where you keep everything related to your project.
5. **Branch:** A separate version of your project that allows you to work on new features or fixes without affecting the main project. It's like a copy of your project where you can experiment without breaking anything.
6. **Fork:** A copy of someone else's project that you can work on without changing the original. It's like making a copy of a recipe to try your own version.
7. **Markdown (.md):** A way to write text that can be easily formatted. It's like using simple codes to make your writing look nice.
8. **Commit Changes**: Saving your work in Git. It's like taking a snapshot of your project at a specific moment in time.
9. **Pull Request (PR):** Asking for your changes to be added to the main project. It's like raising your hand to show your work to the teacher.
10. **Merge:** Combining your changes with the main project after they've been approved. It's like putting together puzzle pieces to make the final picture.
11. **Issues:** A way to report problems or suggest improvements for a project. It's like raising your hand to let the teacher know something's wrong.
12. **Federalist:** A tool that helps deploy websites from GitHub quickly and securely. It's like a magic button that puts your website online.
13. **Projects:** Using GitHub for organizing tasks and tracking progress. It's like a to-do list for your project.
14. **Wiki:** A place for hosting project documentation. It's like a digital encyclopedia for your project.