

backend: <https://github.com/hackgwinnett/hackgwinnett-backend-workshop>

git/github:

- Prerequisite: We will create a public Github repository on the HackGwinnett organization.
- 1. Talk about the difference between Git and Github
  - a. Git is version control software in which versions of code are saved.
  - b. Github is a more collaborative platform where software engineers and programmers can work on projects at a large scale.
  - c. (Emphasize that Github is an important skill to have when working with teammates)
- 2. Walk through creating a Github account on the website.
- 3. Ask everyone to star the tutorial Github repository on the HackGwinnett organization - this will be our method of taking “attendance.”
- 4. Go through the different (important) repository settings:
  - a. Visibility
  - b. Name
  - c. Adding contributors (important for team projects)
  - d. Transferring Ownership
- 5. Ask everyone to fork the tutorial repository on the HackGwinnett Github organization page.
- 6. Ask everyone to make a change to their copy of the repository and make a pull request to the main repository.
  - a. Change = adding new files or changing the readme file
- 7. Accept **ONE** pull request, then make everyone “fetch upstream”
  - a. Demonstrate accepting pull requests on the main repository
  - b. Fetch Upstream = updating their copy of the repository
- 8. If time permits, demonstrate connecting Bash to Github repository:

- a. Pull code from server
  - b. Push code to server
- 9. Answer any questions