What is the process for GitHub assignment creation?

communitycreator   github   GitHubClassroom

Login to your GitHub

1. Create new organization

1. Click on the `+` at the upper-right corner of your page and choose a new organization.
2. Choose the option, `join for free`, enter a valid organization name of your choice, email, select my account, and click on next.
3. Click on skip, you can continue to enter your details later.

2. Creating new repository

- Click on the `+` at the upper-right corner of your page and choose a new repository.
- Under the Owner drop-down, select the `organization` that you have created and give a valid repository name.
- Choose `private` and click on `create repository`.
- Copy the two statements under **"...or push an existing repository from the command line"** to the notepad.
- Go to the settings tab and enable `template repository`.

Access GitHub classroom here

3. Creating classroom

- Click on `new classroom`. If you don't find the organization you created, click on `grant us access`.
- Under organization access, click on the grant shown beside the organization.
- Refresh the classroom page and choose the organization.
- You may change the name of the classroom or click on it to continue.
- Copy the link of the classroom, paste it in a notepad for later use, and click on continue.
- Skip without choosing any learning management tools.
- Add the students by entering their GitHub ids.

4. Adding files to the repository

- Create a folder with all the necessary files to be pushed into the repository.
- Open a terminal from VSCode, go to the created folder, and perform the following steps:
  - git init
  - git status
  - git add .
  - git status
  - git commit -m "Any message"
  - Enter the two statements from the notepad(git remote add and git push)
- Refresh the repository page to see the pushed files.

5. Creating an assignment in GitHub classroom

- Click on "create your first assignment".
- Enter the title starting with `Assign-` and followed by a number (Ex: Assign-02), and click on continue.
- Click on `select a repository` and `type the repository name` created in GitHub and choose it.
- Select the template repository and click on continue.
- Under `Add Autograding tests`, click on Add test and choose "run python".
- For each file in your repository, perform the following steps:
  - Enter the program file name in the test name field.
  - Clear setup command field.
  - Enter the program file name in the test name field.
  - Enter

    ```
    python3 filename.py
    ```

    in the run command field.
  - Enter the points for the program (optional).
  - Save the test case and click on create an assignment.
- Share the assignment link with the students.

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