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HOW TO BUILD YOUR WEBSITE USING GITHUB PAGES

STATISTICS GIDP PROFESSIONAL DEVELOPMENT SERIES

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WHY GITHUB PAGES?

- Free, can change/edit at your own pace
- Open-source nature → a number of easy templates to use
- Teaches you how to manage code, version-control
- Hosted directly from your own GitHub repository
- Gives you greater visibility and shows technical competence
- Learn HTML, git, command-line functionality

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6 EASY STEPS TO CREATE YOUR WEBSITE USING GITHUB PAGES

Steps Required (see https://pages.github.com/)

1. Create a GitHub account: https://github.com/
2. Learn basic git command-line functionality (https://docs.gitlab.com/ee/gitlab-basics/start-using-git.html)
3. Use your user name to create a new repository called **username**.*github.io*
4. Clone your repository locally
5. Code up
6. Push & Publish your Website

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1-2.) CREATE A GITHUB ACCOUNT AND LEARN GIT

- Create your account https://github.com/
- Learn how to manage code and repositories: https://guides.github.com/activities/hello-world/
  - What is a master branch? What is a dev branch? How do you switch between?
  - How do you clone and check-out repositories? Commit & push changes?
  - What commands
- https://docs.gitlab.com/ee/gitlab-basics/start-using-git.html
  - Basic commands you'll need: git *clone, push, commit*

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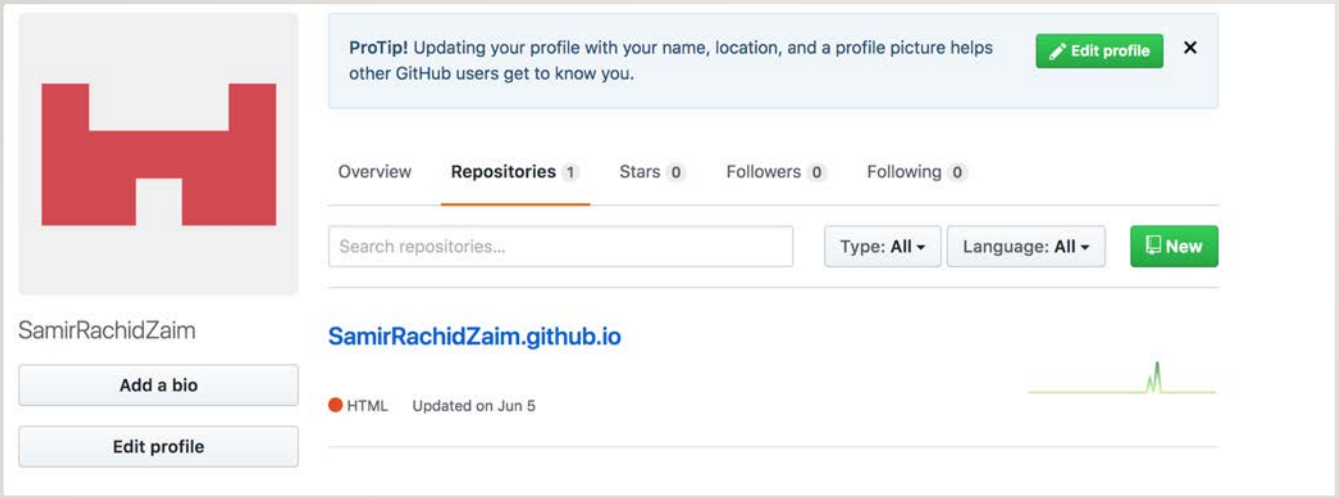
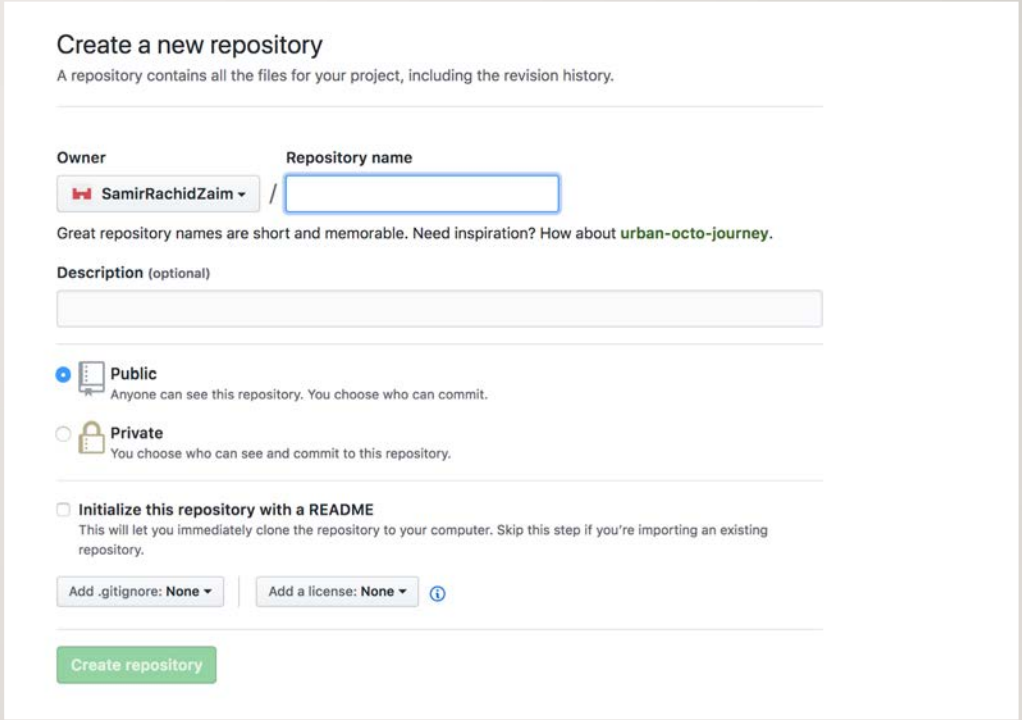
3.) CREATE YOUR **USERNAME**.*GITHUB.IO* REPO

- Create your new repository with your username
- Confirm your repository





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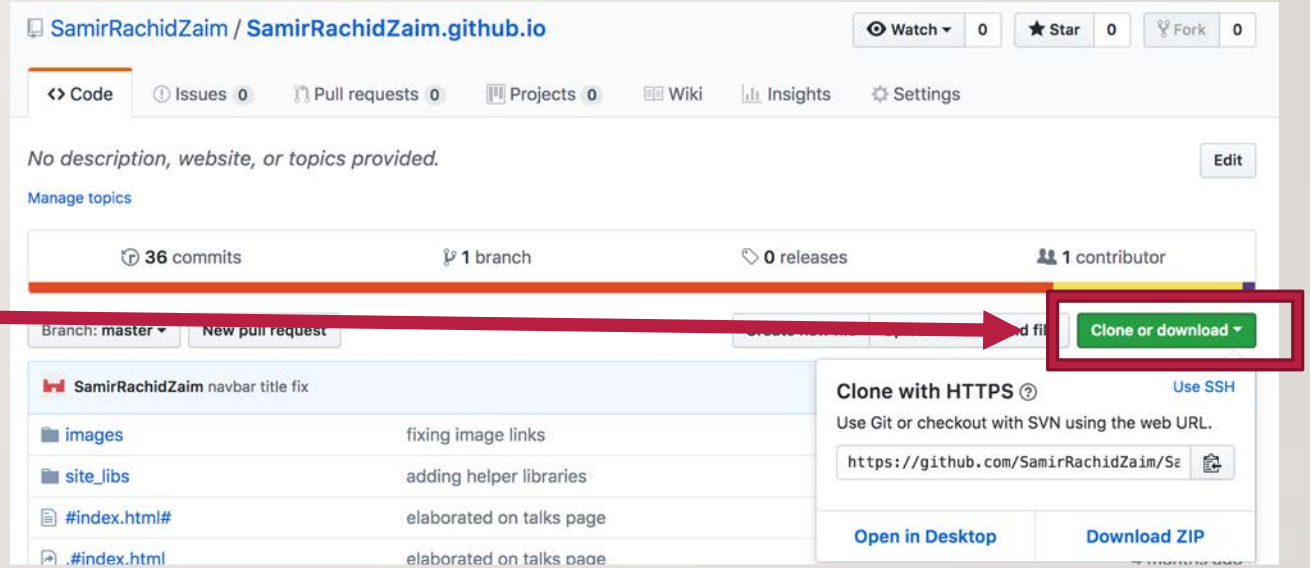
4.) CLONE YOUR REPOSITORY LOCALLY

- Go to your repository
- Click on "clone or download" to copy the URL
- Open your terminal/command-line and type: *git clone URL*




```
drwxr-xr-x    5 samirrachidzaim-admin  st
[COM-C02WQ04XHV2R:~ samirrachidzaim-admin$ git clone https://github.com/SamirRachidZaim/SamirRachidZaim.github.io.git
Cloning into 'SamirRachidZaim.github.io'.
remote: Enumerating objects: 182, done.
remote: Total 182 (delta 0), reused 0 (delta 0), pack-reused 182
Receiving objects: 100% (182/182), 2.41 MiB | 3.85 MiB/s, done.
Resolving deltas: 100% (72/72), done.
```

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5.) CODE

- First quick check → print 'hello world' string onto your website

Hello World

Enter the project folder and add an index.html file:

```
~ $ cd username.github.io
~ $ echo "Hello World" > index.html
```

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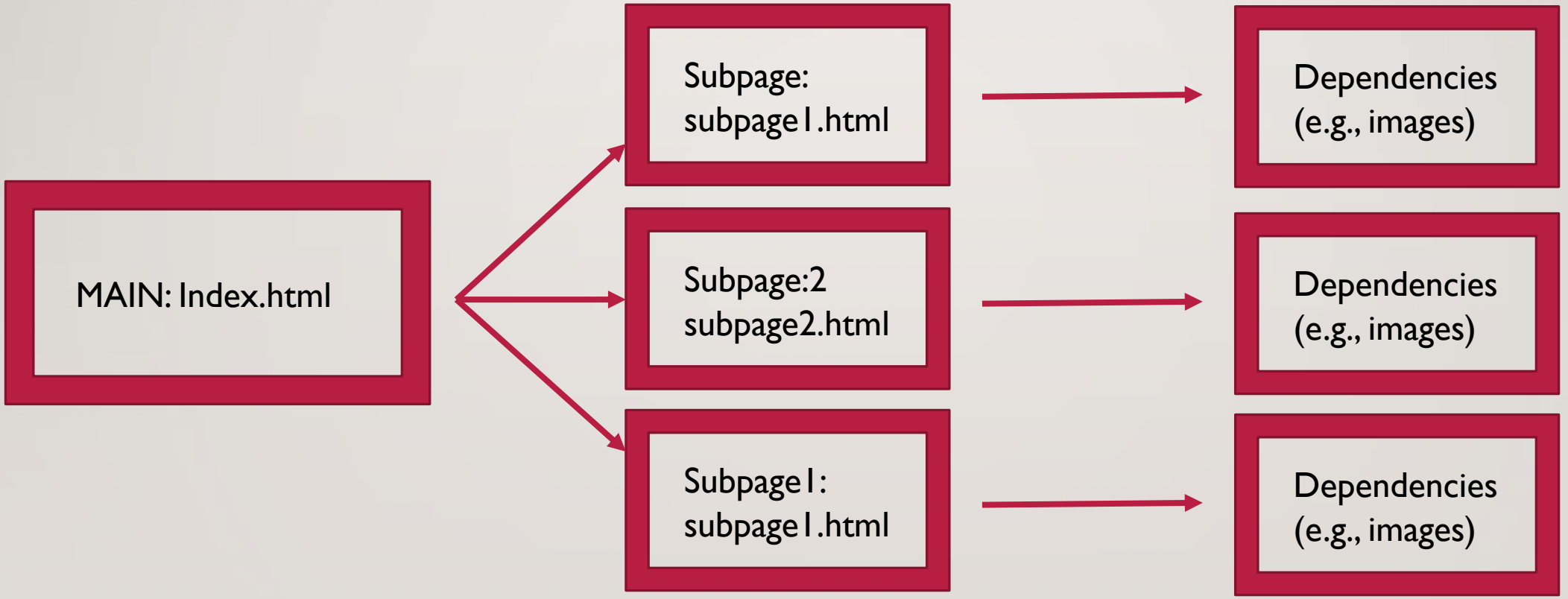
5.) CODE: ORGANIZING YOUR .HTML FILES



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5.) CODE: TEMPLATES FOR ACADEMICS

Sample Academic Website Template

- https://academicpages.github.io/teaching/
- http://jtleek.github.io

Sample Code Repository

- https://github.com/academicpages/academicpages.github.io
- https://github.com/jtleek/jtleek.github.io

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6.) PUSH & PUBLISH

Add all changes to commit

To add and commit all local changes in one command:

```
git add .
git commit -m "COMMENT TO DESCRIBE THE INTENTION OF THE COMMIT"
```

Note: The `.` character typically means *all* in Git.

Send changes to gitlab.com

To push all local commits to the remote repository:

```
git push REMOTE NAME-OF-BRANCH
```

For example, to push your local commits to the *master* branch of the *origin* remote:

```
git push origin master
```

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```
-rw-r--r--@ 1 samirrachidzaim-admin  staff  85621358 Oct  1 21:
[COM-C02WQ04XHV2R:SamirRachidZaim.github.io samirrachidzaim-admi $ git add .
[COM-C02WQ04XHV2R:SamirRachidZaim.github.io samirrachidzaim-admi $ git commit -m "added website_talk.pdf"
[master bc10c5c] added website_talk.pdf
 Committer: samirrachidzaim-admin <samirrachidzaim-admin@COM-C02WQ04XHV2R.local>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 website_talk.pdf
[COM-C02WQ04XHV2R:SamirRachidZaim.github.io samirrachidzaim-admin$ git push
Username for 'https://github.com': samirrachidzaim
[Password for 'https://samirrachidzaim@github.com':
Counting objects: 3, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (3/3), done.
Writing objects:  66% (2/3), 6.69 MiB | 371.00 KiB/s
```

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QUESTIONS?

Email: samirrachidzaim@email.Arizona.edu

Slides: samirrachidzaim.github.io/website_talk.pdf