

Module 3 notes:

Deploy Today!

- In this video series you will go create a deployed (live on the internet) "About Me" webpage by
 1. Learning basic terminal / gitbash skills.
 2. Setting up your git ssh keys.
 3. Forking a repository on Github.
 4. Cloning that repository to your local computer.
 5. Opening that repository in VS Code and making small changes to the HTML.
 6. Tracking those changes with git version control.
 7. Pushing those changes to a live Github Pages webpage.
 8. Sharing it with your friends and family!
- live example of what you will have deployed by the end of the module
 - <https://coding-boot-camp.github.io/prework-about-me/>
- Git Bash create a folder
 1. Check folder list
 - `ls`
 2. make a folder
 - `mkdir name of folder`
 3. change into directory
 - `cd name of folder`
 4. create a file inside a folder
 - `touch name of folder.md`
 - (md) = file extension for **mark down**
- **Terminal/Git Bash**
 - Know what directory your currently in
 - `pwd`
 - Change file name
 - `mv file name.md new file name.md`
 - Remove a file
 - `Rm file name.md`
 - See all commands ever run
 - `History`
 - Cycle through history with **up arrow**
 - Clear terminal
 - `Clear`
 - Or press control +I L
- VS Code Shortcuts
 - Open visual studio code from git bash
 - Create file
 - `Touch file name.md`
 - Open folder in VS Code
 - `code .`
 - VS Code Icons to create new folders or creating to file
 - This helps make changes without going into git bash
- How to Create SSH keys (Secure Shell Keys) and add it to you GitHub account
 - - Allow connection to local machines to GitHub to commit and push work
 - Go to link
 - <https://docs.github.com/en/github/authenticating-to-github/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent>
 - Check for existing SSH Keys
 - <https://docs.github.com/en/github/authenticating-to-github/checking-for-existing-ssh-keys>
 - `ls -al ~/.ssh`
 - Generating a new SSH key
 - `ssh-keygen -t rsa -b 4096 -C your_email@example.com"`
 - Enter file name
 - Pass phrase enter
 - Add to SSH agent
 - `eval $(ssh-agent -s)`
 - add private SSH key to SSH agent
 - `ssh-add ~/.ssh/id_rsa`
 - Go to GitHub and add the SSH key to the account
 - Settings
 - SSH and GPG Keys
 - New SSH Key
 - TITLE
 - KEY
 - Past in Git bash
 - `clip < ~/.ssh/id_rsa.pub`
 - Past in KEY
- Git Configs username and email
 - Username
 - `git config --global user.name "your name"`
 - check
 - `git config --global user.name`
 - Email
 - `git config --global user.email "Your email"`
 - check
 - `git config --global user.email`
- FORKING
 - <https://github.com/coding-boot-camp/prework-about-me>
 - CLICK prework-about-me
 - CLICK FORK RIGHT HAND CORNER
 - CLICK ACCOUNT

- Clone
 - Click green code button
 - Copy clone with SSH key
 - Open terminal
 - `git clone git@github.com:Team-AG/prework-about-me.git`
- Update Text in website
 - Open terminal
 - `ls`
 - Check for Prework-about-me
 - Change into folder
 - `cd prework-about-me`
 - `ls`
 - index.html root to a website
 - open all directory
 - `code .`
 - From VS code
 - Click index.html
 - Find your name and change it to you name
 - Add changes to Github
 - `git status`
 - Red modified: shows changes but not ready to commit
 - Add to your memory to commit
 - `git add index.html`
 - Green modified: changes ready to commit
 - Commit
 - `git commit -m "updating our h1 tag with our name"`
 - "leave descriptive message for other developers"
 - Check status
 - `git status`
 - Publish local commits
 - `git push origin master`
 - Check GitHub for changes
 - Check for status changes
- Enabling Github Pages

Link - <https://github.com/Team-AG/prework-about-me/settings>

 - Make Web page live
 - GitHub Pages – host websites right in GitHub
 - Click settings
 - Click none
 - Select master branch
 - SAVE
 - Generate a URL
 - <https://team-ag.github.io/prework-about-me>
- Final Updates and Push to Github
 - Open terminal and code editor
 - `git status`
 - Open VS code
 - Makes changes under details here
 - `git status`
 - Red modified should show
 - `git add index.html`
 - `git status`
 - Green modified shows show
 - Update details with message
 - `git commit -m "updating our details"`
 - `git push origin master`
 - Check update
 - Link <https://team-ag.github.io/prework-about-me/>