Git

Objectives

- Discuss what a Version Control System is
- Describe how Git works
- Initialize a git repository with git init
- Check the status of changed files in a git repository with git status
- Stage and Commit files

Version Control System

Version control allows developers to revert back to a specific time and place in your code... sort of like a reset button.

Git is the Solution

Git is a Version Control System. Any files tracked by git typically go through 3 stages:

Unstaged

Staged

Committed

`git init`

git status

git add

git commit

Let's Put it All Together

- `git init`
- `git status`
- `git add -a`
- `git commit -m "complete the lesson"`


White Board Time

BREAK

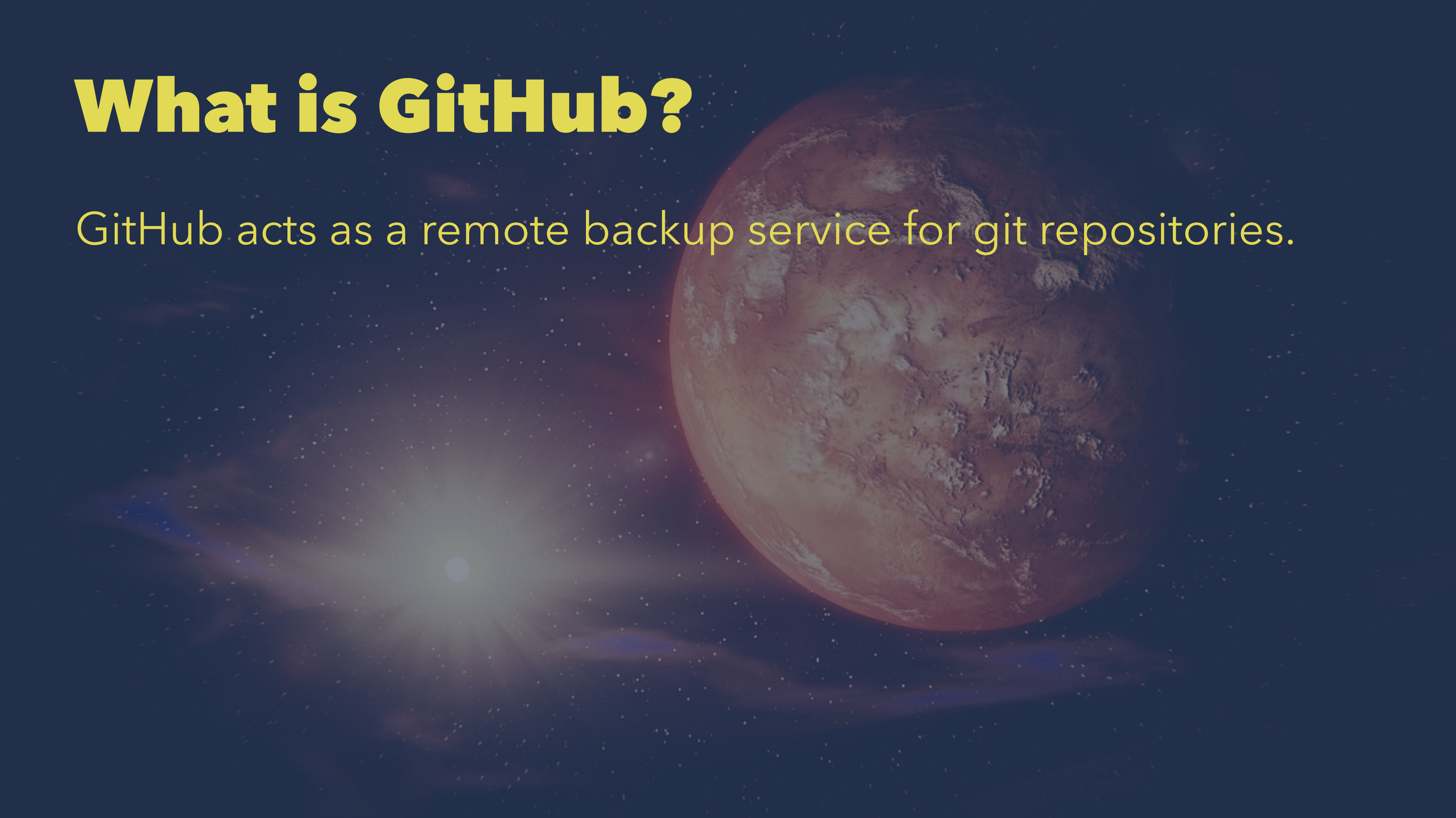
GitHub

Objectives

- Discuss the difference between Git and GitHub
- Connect Git and GitHub
- Send files from Git to GitHub

What is GitHub?

GitHub acts as a remote backup service for git repositories.



Connect Git and GitHub

```
git remote add origin git@github.com:nasa/marooned-astronaut.git
```

Send the files to GitHub

```
git push origin master
```

What's Next? Practice!

http://learngitbranching.js.org/
Main - Introduction Sequence 1 - 3
Remote - Push & Pull Sequence 1 - 4

Git/GitHub Q&A