Version Control

System that allows you (and your team) to:

● Collaborate on a project together
● Track changes to a project
Git for Version Control

Commonly used version control system at GSA and all of gov.

Is distributed, which means everyone has their own copy of the project.

Has a command line interface.
+ GSA-DS cd cto-website
+ cto-website git:(sc_training-page) git checkout master
Switched to branch 'master'
Your branch is behind 'origin/master' by 32 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)
+ cto-website git:(master) git status
On branch master
Your branch is behind 'origin/master' by 32 commits, and can be fast-forwarded.
(use "git pull" to update your local branch)

Nothing to commit, working tree clean
+ cto-website git:(master) git pull origin master
remote: Counting objects: 87, done.
remote: Compressing objects: 100% (55/55), done.
remote: Total 87 (delta 50), reused 69 (delta 32), pack-reused 0
Unpacking objects: 100% (87/87), done.
From https://github.com/GSA/cto-website
  * branch       master       -> FETCH_HEAD
  fdc294a..9eba27a  master       -> origin/master
Updating 8e9a14a..9eba27a
Fast-forward
_data/techtalks.yml  |    26  +++++++++++++
             |      4   +--
_guides/0_a_guide_newtoagile.md |    41  +++++++++++++++++++++++
_guides/conducting_daily_standup.md |      6   +---
_guides/conducting_sprint_retrospective.md |    49  +++++++++++++++++++++++
_guides/develop_an_agile_product_roadmap.md |      2   +--
_guides/glossary.md |    26  ++++++++---
assets/downloads/techtalks/GEARTECHTalk.pptx.pdf | Bin 0  ->  2284680 bytes
  .../techtalks/GSAITCOSTransparencyTechTalkNov2017.pdf | Bin 0  ->  812668 bytes
assets/downloads/techtalks/tech-talk-data-sciences.pdf | Bin 0  ->  242355 bytes
  .../techtalks/tech-talk-devsecops--for-d2d Platform.pdf | Bin 0  ->  400117 bytes
assets/img/guides/Ken_Rubin_Daily_Standup.png | Bin 0  ->  103930 bytes
assets/img/guides/Ken_Rubin_Sprint_Planning.png | Bin 134086  ->  772956 bytes
assets/img/guides/Ken_Rubin_Sprint_Retrospective.png | Bin 0  ->  179595 bytes

14 files changed, 124 insertions(+), 30 deletions(-)
create mode 100644 _guides/conducting_daily_standup.md
create mode 100644 _guides/conducting_sprint_retrospective.md
create mode 100644 assets/downloads/techtalks/GEARTECHTalk.pptx.pdf
create mode 100644 assets/downloads/techtalks/GSAITCOSTransparencyTechTalkNov2017.pdf
create mode 100644 assets/downloads/techtalks/tech-talk-data-sciences.pdf
create mode 100644 assets/downloads/techtalks/tech-talk-devsecops--for-d2d Platform.pdf
create mode 100644 assets/img/guides/Ken_Rubin_Daily_Standup.png
create mode 100644 assets/img/guides/Ken_Rubin_Sprint_Planning.png
create mode 100644 assets/img/guides/Ken_Rubin_Sprint_Retrospective.png
What is GitHub?

Website to host your projects online that facilitates project collaboration through version control without having to use the command line.
Setup your GitHub account:

https://github.com/GSA/GitHub-Administration
Personal vs. Organization GitHub Account
GitHub Glossary

- **Repository (repo)** - the space (page) where my project lives
- **Fork** - create your own copy of a project
- **Issue** - start a conversation about a project
- **Branch** - create a version of the project that you would like to work from
- **Commit** - save the current version of my work
- **Pull request** - suggest changes to a project
- **Markdown** - a way to format text which is then compiled to code
DEMO!
Rules to Live By For Commits:

- Don’t end your commit with a period.
- Keep your commits to 50 characters or less. Add extra detail in the extended description window, if necessary. This is located just below the subject line.
- Commits use the imperative mood. *Add* instead of *Added*. *Merge* instead of *Merged*.
- Think of your commit as expressing intent to introduce a change.
Contributing to open source on GitHub

- Add/edit content (markdown files)
- Create/update documentation
- Translate documentation
- Test and add info on bugs
- Make feature suggestions
Additional Training:

- GitHub on demand training
- GitHub Guides
- Version control techtalk
- Open source and version control [GSA workshop](#)
- DigitalGov in-person [workshop Dec 12th](#)
Thanks!

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