

# Mobile Apps Development for Journalists

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# Agenda

- Version Control Assignment
- Review of Version Control and Git
- Introduction to GitHub
- Pull Request Exercise
- Exercise - Writing User Stories
- Understanding Issues on GitHub

# Review of Version Control and Git

- What is Version Control?
- What is Git?
- What is GitHub?
- Why is this all important?

# Reference for Git

- <https://guides.github.com/introduction/git-handbook/>

# Git Commands

- `git clone`
- `git init`
- `git commit -m "Message goes here"`
- `git push`
- `git pull`
- `git branch new-branch-name`
- `git branch -d merged-branch`

# Let's make our first OSS Contribution!

- <https://firstcontributions.github.io/>
- <https://github.com/firstcontributions/first-contributions>
- Do with command line first
- Then try with GitHub Desktop
- <https://github.com/firstcontributions/first-contributions/blob/master/github-desktop-tutorial.md>

# The .gitignore file

- There is a great file called .gitignore
- GitHub maintains an excellent set of these – google for python gitignore, xcode gitignore, etc
- This goes in the root directory of your repository
- Usually blocks temp files, build directories, etc.

# Pull Requests

- Through GitHub, Bitbucket, or similar
- Allow for code review, merging, testing, etc.
- Bitbucket Code Review Tutorial
- <https://www.atlassian.com/git/tutorials/learn-about-code-review-in-bitbucket-cloud>



# Exercise - Pull Requests

- We are going to practice it!
- Someone in the class should create a new repository
- And put in it a README.md (markdown) file with your "Austin weekend plans"
- Go ahead and clone that repository, and then make some additions!
- Everyone should clone, make a feature branch, make some changes, commit, and push
- Then make a pull request
- Ask for review from someone else! Everyone should make a PR, review one, and merge.
- Goal is a coherent set of plans

# Project Management

- User Stories
- Bug Tracking
- Feature Management
- Common Tools (JIRA, GitHub Issues, Trello, etc.)

# Writing User Stories

- As a [persona] I can [do something] so that I can [accomplish this]
- <https://www.atlassian.com/agile/project-management/user-stories>
- Useful for agile methodology
- As an end user, I can login using my Facebook account so that I can post photos
- As an administrator, I can reset a user's password, so they can log back in
- Try not to get too descriptive here with exactly how it happens

# Exercise – Writing User Stories

- For this exercise, you will write user stories for an existing web application or mobile application – you choose which one!
- Feel free to do this on your own, or pair up
- Think of the end user, as well as any other personas (another topic altogether)
- Try to come up with at least ten total, with three different personas included

# GitHub Issues

- <https://guides.github.com/features/issues/>