

Vocabulary notes from MOB-NYC-1, session 2

Layout tools:

- **Storyboard:** A graphical file that defines layout rules and flow between screens in an iOS app.
- **XIB** (pronounced, 'nib'): A graphical file that defines layout rules for one view.
- **Interface builder:** The tool used in Xcode to lay out views and view controllers within storyboards and xibs
- **Constraint:** A layout rule. Every view must have constraints sufficient to define x position, y position, width and height. Note that some types of views have 'intrinsic size', so explicitly adding width/height constraints is not necessary.
- **Segue:** The transition from one view controller to another in a storyboard. Types include modal and show segues, among others.

Views/view controllers:

- **Label:** A view that contains non-editable text. One or multiple lines.
- **Image view:** A view that contains an image (e.g. displays a PNG file)
- **Text Field:** One-line text input, commonly used for email/passwords (among other things).
- **Text view:** A view with multiple lines of optionally editable text.
- **Navigation controller:** A view controller that manages a stack (list) of displayed view controllers. Provides a navigation bar, back button.
- **Tab controller:** A view controller that manages a tab bar at the bottom of the screen, and the switching between multiple child view controllers presented in those tabs.

Git, Github & Sourcetree:

- **Git:** An open source tool for collaborating, tracking and working on code. In a family of software commonly known as 'source code management' (SCM).

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- **Github:** A social code sharing and hosting website which uses Git at its foundation. Where you will submit and retrieve your homeworks.
- **Sourcetree:** A free graphical tool for interacting with Git repositories.
- **Repository:** Your collection of source code files/project files that are versioned with Git (i.e. the code you pulled down from github)
- **Fork:** Git's version of 'copy', with some extra bookkeeping done by git about where that copy came from, when it was made.
- **Commit:** A new milestone in the history of your source code. Made up of changed files.
- **Staged changes:** Changes made to your repository that are about to be committed.
- **Unstaged changes:** Changes made to your repository that are not committed and not about to be committed.