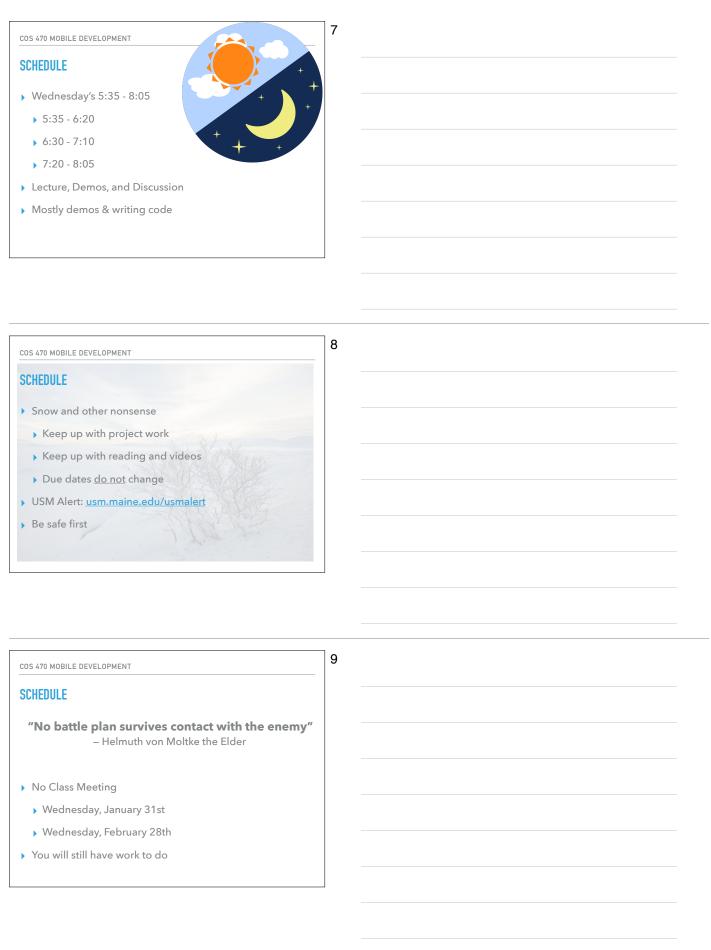
COS 470 - MOBILE DEVELOPMENT **INTRODUCTION** 2 COS 470 MOBILE DEVELOPMENT **ABOUT THE COURSE** ▶ Two Platforms / Three Ways ▶ iOS - iPhone and iPad • Android - Mostly Phones ▶ HTML5/CSS3/JavaScript Project Based (no exams) > One Presentation at the end ▶ <u>Lots</u> of code! 3 COS 470 MOBILE DEVELOPMENT TO BE SUCCESSFUL ▶ Strong object-oriented programmer ▶ Ready to learn (at least one) new language ▶ Know... ▶ Class, Instance, Superclass, Subclass Method, Message Instance Variable, Property

COS 470 MOBILE DEVELOPMENT I NEED A COMPUTER • iOS assignments require a Macintosh with Xcode ▶ The USM general lab Macs have Xcode Android assignments use Android Studio (cross platform) Install from developer.android.com ▶ Hybrid assignments require a text editor and JavaScript You should be able to handle this one 5 COS 470 MOBILE DEVELOPMENT I NEED HELP! ▶ Email = houser@maine.edu > Thousands of tutorials, Stack Overflow, Apple & Google ▶ Use them, but write your own code (don't copy and paste) ▶ Don't forget your classmates 6 COS 470 MOBILE DEVELOPMENT **SCHEDULE** ▶ 1 - Introduction ▶ 2 - iOS 3 - Android ▶ 4 - Hybrid ▶ 5 - Data & Server Side ▶ 6 - Sensors & Hardware > 7 - User Interface & Design



COS 470 MOBILE DEVELOPMENT

GRADES

Project 0	1 point
Projects 1 - 4	2 points
	<u>'</u>
Project 5	4 points
Presentation	1 point

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COS 470 MOBILE DEVELOPMENT

PROJECTS

- ▶ 0 GitHub Basics
- 1 iOS Task List
- 2 Android Task List
- 3 Hybrid Task List
- 4 Task List with Persistence (your choice of platform)
- ▶ 5 App of your own design and <u>presentation</u> (your choice of platform)

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COS 470 MOBILE DEVELOPMENT

GRADES

А	13 - 14 points
В	11 - 12 points
С	8 - 10 points
D	6 - 7 points

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QUESTIONS ABOUT THE COURSE?

- ▶ Two Platforms / Three Ways
 - ▶ iOS iPhone and iPad
 - Android Mostly Phones
 - HTML5/CSS3/JavaScript
- Project Based (no exams)
 - One Presentation at the end
 - Lots of code!



COS 470 MOBILE DEVELOPMENT



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COS 470 MOBILE DEVELOPMENT

USE YOUR TOOLS

- Don't fight the frameworks
- ▶ Use frameworks / libraries / components
- Use the features the tools provide, don't avoid them
- Focus on user experience
- "Small things matter"
- ▶ <u>Clean Code</u> matters

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COS 470 MOBILE DEVELOPMENT

PROJECT 0 - GITHUB BASICS

- ▶ Two Parts
 - 1.Clone and fix mistakes
 - 2.Fork repo and make a PR
- ▶ Create a GitHub account <u>first</u>
- Everything will be "submitted" via GitHub for the entire course.

	GitHub
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COS 470 MOBILE DEVELOPMENT

PROJECT 0 - GITHUB BASICS

- Part 1- Fixing Mistakes
 - 1."Accept" the assignment
 - ${\hbox{\bf 2.Clone}}\ {\hbox{\bf the repo to your system}}$
 - 3.Create a branch
 - 4.Correct mistakes (code) & Document
 - 5.Commit and push back to GitHub
 - 6.Create Pull Request (PR)
 - 7.Merge PR back into "master" branch

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PROJECT 0 - GITHUB BASICS

- Part 2 Your Winter Break
 - 1.Tell me your username (form)
 - 2.Fork the `cos470-group` repo
 - 3.Create a branch w/username
 - 4.Add section with your story
 - 5.Commit
 - 6.Create Pull Request (PR)

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COS 470 MOBILE DEVELOPMENT	19	
PROJECT 0 – GITHUB BASICS		