Software Engineering I

cs361
Announcements

✖ Assignment 4 Directions (No need to fold)
✖ Final Tuesday 1800–1950
3/15/16  WNGR 153 (HERE)
✖ Review for Final next Thursday. Slides and concepts from assignments
Open Source
What is the definition of Open Source?
**F0:** The freedom to run the program as you wish, for any purpose

**F1:** The freedom to study how the program works, and change it so it does your computing as you wish

**F2:** The freedom to redistribute copies so you can help your neighbor

**F3:** The freedom to distribute copies of your modified versions to others
open source initiative
OSI Open Source Definition

1. Free Redistribution
2. Source Code
3. Derived Works
4. Integrity of The Author's Source Code
5. No Discrimination Against Persons or Groups
6. No Discrimination Against Fields of Endeavor
7. Distribution of License
8. License Must Not Be Specific to a Product
9. License Must Not Restrict Other Software
10. License Must Be Technology-Neutral
Licenses

- http://choosealicense.com/
- https://opensource.org/licenses
- https://creativecommons.org/licenses/
#MobProgramming
What is #MobProgramming

All the brilliant people working on the same thing, at the same time, in the same space, on the same computer.

– Woody Zuill (the discoverer of Mob Programming)
Why would anyone want this?
#MobProgramming

source: http://i.imgur.com/fGlqTyg.gif
# Mob Programming Roles

- **The Driver**: “no thinking, just typing”
- **The Navigator**: the main person programming
- **The Mob**: Checking the navigator, Contributing insights, Getting ready to rotate
- **The Facilitator**: Help guide the mob (Instructor)
The Rotation

- We will rotate every 4 min.
- Navigator -> Driver
- Driver -> Mob
- Mob -> Navigator
Consume First vs Build Up
What do you need to do next?

```java
public int x;
public int y;
```
Consume First Example

Point p = new Point(10, 20);

Now what do we do?

public Point(int x, int y) {
}

e tc..
Yes And

✗ https://www.youtube.com/watch?v=DphjhudlZis
We will treat everyone with Kindness, Consideration, and Respect
Kindness

- Cognitive Science teaches us that people we treat kindly we end up liking, rather than the other way around.

- Treat others the way you would like to be treated.
Consideration

- We show consideration by listening.
- The Driver should be listening to the navigator
- The navigator should be listening to be mob.
“We always assume that the person who wrote the code before us did the best they could with the knowledge and circumstances they were in at the time they wrote it”
LET'S DO IT
Observations
Interview
Credits

Special thanks to all the people who made and released these awesome resources for free:
- Presentation template by SlidesCarnival
- Photographs by Unsplash