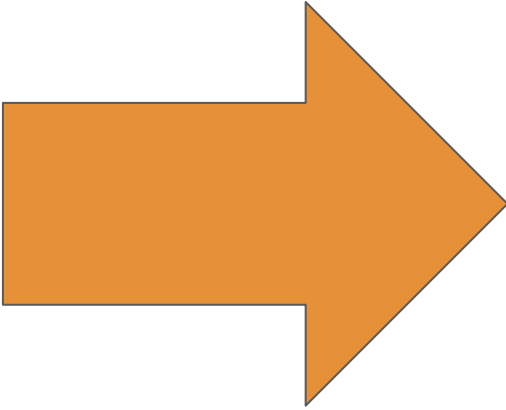


# HFOSS Kit

POSSE Roundup  
SIGCSE 2019

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# HFOSS Kit



Purpose

- Topic
- Goal
- Objectives

# HFOSS Kit



## Instructions

- Instructor guide
- Student guide
  - Steps
  - Questions

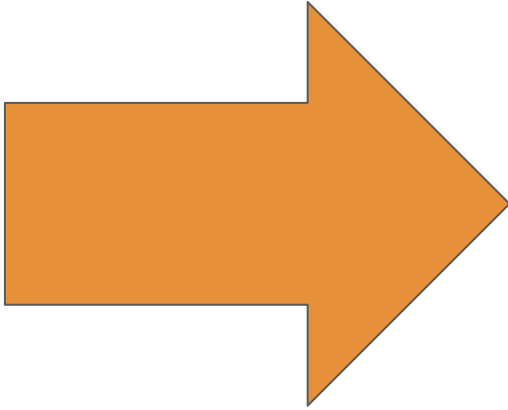
# HFOSS Kit

- Realistic
  - Real apparatus (issue tracker, VCS, CI, etc.)
  - Real state from an HFOSS project
- Interactive
- Repeatable



Model

# HFOSS Kit



Purpose



Instructions



Model

# Micro Kit

- Realistic
  - Real apparatus (issue tracker, VCS, CI, etc.)
  - ~~Real state from an HF OSS project~~
- Interactive
- Repeatable



Model

# Git Conflict Kit

- Purpose: identify and resolve a lexical conflict
- Model
  - Apparatus: git, bash, file-browser, and a plain-text-editor
  - State: git repository and workspace preloaded with two branches with parallel commits, so that when merged a lexical conflict will result.
- Instructions (roughly)
  - Observe two branches A and B and the files in those branches.
  - Merge A into B.
  - Observe new state.
  - Resolve the conflict.
  - Complete the merge.
- Found here (and more):

[https://github.com/StoneyJackson/CollabDev/tree/master/Act07\\_Git\\_Conflicts](https://github.com/StoneyJackson/CollabDev/tree/master/Act07_Git_Conflicts)

# HFOSS Dojos (too violent?)

## FlashHFOSS (Matt Jadud)

## Others ideas?

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# HFOSS Learning Projects

- Real HFOSS Project
- Real clients
- Primarily driven by students and faculty

# Food Insecurity on College Campuses

- Nationwide 1 out of 3 students are food insecure
  - 2017 Survey <https://www.ncbi.nlm.nih.gov/pubmed/28754200>
  - 2019 Government Study <https://www.gao.gov/products/GAO-19-95>
- Governor Cuomo declared that every CUNY campus will have a food pantry by end of Fall 2018.
- Nassau Community College identified by Cuomo's office as model site
  - NEST Food Pantry open since Fall 2013.
- Worcester State University opened Thea's Pantry in Jan 2019
- Western New England University launching BEAR Necessities Market in Spring 2019

# Just-in-time-Terminology

- Food bank - Warehouse
  - Receive donations from established donors
  - Deliver to known pantries
- Food pantry - Client facing
  - Place orders with and receive deliveries from banks
  - Clients order and pick-up food from pantries

# LibreFoodPantry

Free and open source software to support food pantries

- <https://github.com/LibreFoodPantry>
- <https://gitlab.com/LibreFoodPantry>
- <https://librefoodpantry.slack.com/>

- Nassau Community College
  - Client: NEST
  - Course: Mobile Development
  - Products: inventory, scanning, ...
- Western New England University
  - Client: BEAR Necessities Market
  - Course: Senior Capstone
  - Product: Web-based intake and order system
- Worcester State University
  - Client: Thea's Pantry
  - Course: Senior Capstone
  - Product: Web-service for USDAs food keeper data

# Western New England University - Capstone

- 19 students
- 2-week sprints
- On-campus client, attends sprint reviews
- Sprint 1 - Understand the domain
- Sprint 2 - Propose a solution
- Sprint 3 - Platform, Practices, and Training
- Sprint 4 - First attempt at feature(s) <= Starts today! (Wed 2/27)
- Sprint 5 - ?
- Sprint 6 - ?
- Sprint 7 - ?