AD

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Remix of Clojure by Nextjournal

Day 1 Clojure Bootcamp for Open Source

First Look at Clojure

See **this workshop's notes** in mindmap form at our Day 1 Coggle mindmap link
(https://coggle.it/diagram/YLVg5mmu1Rlu_dcL/t/-
/9b0c86bc802a6baa93d12f03579b8315b8927690ae72f750873a90c4d655226f)

Today's coding activity: *Please (1) run each cell of, and (2) thoroughly read, the Intro to Clojure
coding notebook at https://www.maria.cloud/cb-intro (https://www.maria.cloud/cb-intro)

   *by Wednesday afternoon, so you don't fall too far behind

Recommended **reading for review**: https://clojurebridge-berlin.org/curriculum/#/1
(https://clojurebridge-berlin.org/curriculum/#/1)

Welcome to Day 1!

Today we will:

- [x] introduce ourselves to each other (not recorded) [10 min]
- [x] introduce the instructor [1 min]
- [x] overview this week's content [5 min]
- [x] explore together writing in Clojure for the first time [30 min]
- [x] learn some relevant vocabulary [10 min]
- [ ] **NEXT TIME**: brainstorm ways to learn effectively [5 min]
- [x] take any remaining questions and chat [1 hour]

Plus, an hour of spillover time for questions, practice, and chatting after class.

Overview

Day 1: First look at Clojure by using maria.cloud (https://www.maria.cloud/cb-intro)

Day 2: First look at Git by using GitHub to save & share files

Day 3: Second look at Clojure & installing Clojure locally

Day 4: Second look at Git & GitHub to contribute to Open Source

Day 5: Final Project, Presentations, and Final Bootcamp Review

First look at Clojure

- ☑ Visit Learn Clojure with Shapes (ClojureBridge) (https://www.maria.cloud/cb-intro)
- ☑ Create a vocab list here OR at maria.cloud (https://www.maria.cloud/) OR on Coggle, then publish and share it
- ☐ Brainstorm effective ways to learn using coggle.it (https://coggle.it/diagram/YLVg5mmu1Rlu_dcL/t/-/9b0c86bc802a6baa93d12f03579b8315b8927690ae72f750873a90c4d655226f)

Starting Questions

- ☐ 1. What languages have you learned before?
- ☐ 2. What do you think will make this bootcamp challenging for you?
- ☐ 3. Is there any way you can help make this bootcamp a better experience for you, your cohort, or future cohorts?
- ☐ 4. What is Open Source?

Future Questions to Consider

- ☐ 1. What is code exactly?
- ☐ 2. How does code "do" things, and what is this "doing" called?
- ☐ 3. Where does code live?
- ☐ 4. Where does code do its "work"? (see #2 "doing")
- ☐ 5. What is data?

New Questions

- ☐ What will we be learning in the entirety of the bootcamp?
  A: Clojure, Git, GitHub, how to contribute to Open Source, and more.

Extra Resources

Bonus sneak peak "how to make custom functions" for Wednesday's workshop:
https://replit.com/@avidrucker/MistyroseGratefulMultitasking#main.clj
(https://replit.com/@avidrucker/MistyroseGratefulMultitasking#main.clj)

Avi's Next To-Do's

- ☑ Add all relevant links to this Nextjournal document
- ☐ Ask everyone to try and finish the maria.cloud "ClojureBridge" exercise coding notebook
- ☐ **Have subtitles added to the three workshop recordings**
  - ☐ Upload workshop #1 recordings to YouTube playlist
    - ☐ Share playlist with attendees
- ☐ Add any missing definitions to the Coggle mindmap
- ☐ Share some cool things made with Clojure, such as:
  - ☐ http://quil.info/sketches/show/example_matrix (http://quil.info/sketches/show/example_matrix)

Rooms For Improvement

- [ ] Cover content before the workshop begins, to give context
- [ ] Create an agenda to stay on track with time & order of events
- [ ] Ask someone to help each session to facilitate timely progression of agenda
- [ ] Do a recap of the previous day [5 min]
    - [ ] This is what we did yesterday
    - [ ] This is what we'll do today, and why
        - [ ] Store our code on GitHub...
        - [ ] ... so we can share
    - [ ] What is Open Source? (b/c this is a main focus of the bootcamp)
    - [ ] What is Coggle? What is a mindmap? (assume that people haven't seen these technologies before)
- [ ] What is the difference between replit.com and "the REPL" ?
    - [ ] Introduce an online Clojure REPL demo: http://app.klipse.tech/ (http://app.klipse.tech/)