Material

Nathan Mull

April 15, 2025

Contents

Assignments

1. html
2. html
3. html
4. html
5. html
6. html
7. html assign7.zip

Lectures

- Course Introduction
    - pdf swap.c swap.rs
- The Basics
    - pdf pdf (annotated)
- The Stack and Heap
    - pdf pdf (annotated)
- References and Borrowing

- pdf

- Structures and Enumerations

  - pdf

- Collections

  - pdf

- Traits

  - pdf

- Closures and Iterators

  - pdf

- Lifetimes

  - pdf

- Boxes and Recursive Data

  - pdf

- Reference Counting and Internal Mutability

  - pdf

- Concurrency

  - pdf

- Primer on Proof/Type Theory

  - pdf pdf (annotated)

- Substructural Proof/Type Theory

  - pdf pdf (annotated)

- Workshop: LTLC Interpreter

  - pdf ltlc.zip

- Featherweight Rust: An Introduction

- – pdf

- Featherweight Rust: Semantics

  - – pdf

- Featherweight Rust: Type/Borrow Checking

  - – pdf (1) pdf (2)

Midterm

- mock-midterm.zip

- midterm.zip

Final Project

- landing page

- part 1 tests

- part 2.1 tests