

# CS 444 - A1

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## 1 Design

### 1.1 Overview

### 1.2 Tokenizing

### 1.3 Parsing

### 1.4 Weeding

## 2 Challenges

- no grammar
- forgot to parse constructors
- negative ints
- duplicate modifiers
- rewinding to parse
- visitor would reduce to a single value – hard to return errors
- automatic binary expression precedence; made instance of hacky

## 3 Testing

- scala test. lots of unit tests. tons! like 70
- most of them are built from the bottom up, so we can just test individual expressions, for example
- scala lets us write high-level testing infrastructure, like AB testing with keywords for the weeder