

CS 242 Week 1 Rubrics

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1 Abstract

In week 1, **yterm** is going to have basic rendering functionality and will support correct interaction and display of most basic command line programs.

2 Rubrics

- (10%) Correct display of the terminal screen with configurable size (columns and rows).
- (10%) Correct display of the (blinking) cursor.
- (10%) Correct parsing of ANSI escape sequences (ignoring color/graphics related sequences now) and separate printable text with control sequences.
- (20%) Support for basic cursor moving sequences (up/down/right/left/carriage return/backspace).
- (10%) Support for character inserting/deleting.
- (10%) Support for scrolling.
- (20%) Optimize performance and compatibility with **bash** and other commonly used utilities (**ls**, **python**, etc.).
- (10%) Basic test infrastructure for ANSI escape sequences and terminal (will add more complete tests for ANSI sequence next week since I'm still pondering how to implement ANSI sequence in a more organized way).

3 Extra credits :-)

- (5%) GitLab CI/CD setup.