

## Objectives

- Lab 9 Review
- Lab 10 Specifications

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## Lab 9

- Nice coding style
- Good analysis of graphs
- Use `strip()` instead of `line[:-1]`
  - What if more than one whitespace character at end of line?
  - `line = line.strip()`
- Comments:
  - High-level descriptions, what you're comparing in `__cmp__`, and what the defaults are

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## Lab 10 Design

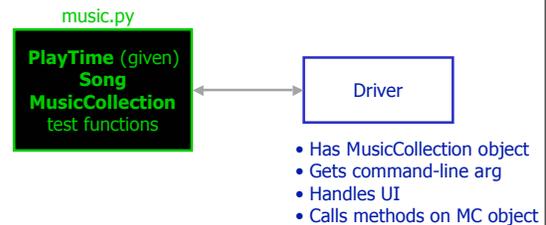
- Designed from problem statement
  - Broke down into components
- Implement basic pieces and work up
  - May need to leave some pieces incomplete and then come back to them later

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## Lab 10 Design



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## UI Specification

- Checks if user entered a command-line argument
    - default library: `mytunes.library`
  - Read library
  - Repeatedly gets selected option from user, until quits
  - Repeatedly prompts for new selection if invalid option
  - Executes the appropriate code for the selection
  - Stops when user quits
  - Stores library
- Demonstrate Program  
Write pseudocode

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## UI Pseudocode

```
Use default library if only one command-line arg
Read library
while True:
    display menu options
    prompt for selection
    while invalid option
        print error message
        prompt for selection
    break if selected quit
    otherwise, do selected option
Store library
```

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## Implementation Plan

- Review PlayTime class
  - How will you create one, use it?
- Implement Song class Can rename classes
  - Test
- Implement MusicCollection class
  - Example runs in lab write up
  - Note: in general, methods for classes will not prompt for input (Use input params)
  - Test
- Implement driver program

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## Extra Credit Opportunity

- Handle bad file names for albums and libraries using try/except statements
  - Just print an error message
  - Don't need to prompt for new filename

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