W04 Assignment: YouTube Video Program (Foundation #1)

Start Assignment

- Due Jul 26 by 11:59pm
- Points 50
- Submitting a website url
- Attempts 0
- Allowed Attempts 3
- Available until Aug 9 at 11:59pm

Instructions

- **Complete** the steps for **Foundation Program #1: Abstraction with YouTube Videos** ⤴ **(https:// byui-cse.github.io/cse210-ww-course/week04/foundation-abstraction.html)** .
- **Push** your code to your GitHub repository and submit the link here.
- **Reminder**: Include your screenshot.

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Criteria	Ratings			Pts
1. Abstraction: Video Class	**10 pts** **Complete** A Video class exists and has a way to track the title, author, and length.	**5 pts** **Developing** A Video class exists.	**0 pts** **Missing, incomplete, or incorrect**	10 pts
2. Abstraction: Comment Class	**10 pts** **Complete** A Comment class exists that stores the name of the person and the text of the comment.	**5 pts** **Developing** A Comment class exists.	**0 pts** **Missing, incomplete, or incorrect**	10 pts
3. Class Composition	**5 pts** **Complete** The Video class stores a list of Comment class objects.	**2.5 pts** **Developing** The Video class stores comments in some way.	**0 pts** **Missing, incomplete, or incorrect**	5 pts
4. Class Behaviors	**5 pts** **Complete** The Video class contains a method that returns the number of comments directly from the way comments are stored (for example returns the length of the list).	**2.5 pts** **Developing** The Video class contains a method to get the number of comments.	**0 pts** **Missing, incomplete, or incorrect**	5 pts

Criteria	Ratings			Pts
5. Functionality: Object Creation	**5 pts** **Complete** Program runs without errors. It correctly creates at least 3 Video objects (including setting their values), and for each Video creates and sets at least 3 Comment objects (including setting their values). The Video objects are stored in a list.	**2.5 pts** **Developing** Program runs without errors. It correctly creates at least 1 Video object (including setting its values), and creates at least 1 Comment object (including setting its values) and sets it as a comment for the Video object.	**0 pts** **Missing, incomplete, or incorrect**	5 pts
6. Functionality: Object Use	**5 pts** **Complete** Program runs without errors. It iterates through a list of Video objects and for each one displays the title, author, length, and number of comments (using the method) and for each video also displays the comments for that video (include the commenter's name and text).	**2.5 pts** **Developing** Program runs without errors. It retrieves and displays basic Video information (title, author, length) from at least one Video object. Program retrieves and displays basic Comment information (name, text) from at least one Comment object.	**0 pts** **Missing, incomplete, or incorrect**	5 pts
7. Style: Whitespace and File Organization	**5 pts** **Complete** Each class is defined in its own file and the name of the file exactly matches the class name. Vertical and horizontal whitespace (blank lines, indentation, braces) is correct throughout the program.	**2.5 pts** **Developing** Each class is defined in its own file. Whitespace is generally correct, but some errors exist.	**0 pts** **Missing, incomplete, or incorrect**	5 pts

Criteria	Ratings			Pts
8. Style: Naming Conventions	**5 pts** **Complete** Classes and methods use TitleCase, member variables use _underscoreCamelCase, local variables use camelCase.	**2.5 pts** **Developing** Naming is mostly consistent, but some elements were missed.	**0 pts** **Missing, incomplete, or incorrect** Naming is inconsistent.	5 pts
			Total Points: 50	