

**EECS4313: Experiential Education Practice through collaboration with Cinecloud  
Winter 2023**

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The purpose of this project is to practice:

- 1- Specification-based testing
- 2- Code-based testing

You are required to test the code that is provided by Cinecloud and verify the correctness of the code for the components that are of their interests. These components are mentioned in the attached file, provided by Cinecloud.

It is up to you to select the correct method of testing. You can examine how good your selected method is by considering the number of test cases that you have to write and the percentage of the code that is covered by your test cases.

Also, their code is written with different programming languages. It is your responsibility to educate yourself on how to automate testing for the code written in that language.

**Deliverable:**

- You should submit a report in which you explain:
  - 1- Which units are tested,
  - 2- What techniques you have used for testing
  - 3- And the bug that you have found if any at all.
    - a. If a bug was found it is expected that you analyze the bug,
    - b. Explain how to reproduce the bug, if it is reproducible
    - c. Use the template that was provided in this course.
  - 4- The percentage that you have covered.
- You should submit the test harnesses (i.e. the set of automated test cases that you have written to test the code)

**Grading:** You are totally evaluated by Cinecloud on how useful your report has been. The proposed method of grading given to them by your professor is as follows, however they are at discretion to chose the evaluation method.

	Poor	Below Average	Average	Above Average	Outstanding
Clarity of Report	1	2	3	4	5
Usefulness of the report for Cinecloud	1	3	4.5	6	8
Bug Exploration / suggestion	1	2.5	4	5.5	7