FUNCTIONAL

REQUIREMENTS

COS214

ABSTRACT

Contained within this document are the functional requirements of our COS214 final project.

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COS214 Group Project

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Functional Requirements

1. Each entity needs to be cloneable.
2. Need to be able to iterate through each engine.
3. Need a centralized point of access.
4. Monitorable Components.
5. Modular construction of rockets (entities).
6. The star link payload needs to be able to hold up to 60 satellites.
7. Separate launch methods for different states.
8. Simulate entire rocket launch. (From the beginning to the stars)
9. Test each component thoroughly.
10. Controls need to be interchangeable.
11. Spacecraft need to be able to communicate with ground control.
12. Parallel simulation of rockets.