

Princess Power

COS 214 Group Project INITIAL DESIGN

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Group Number:

21

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GitHub repository

[Click here](#) (nothing there for now)

Task 1

1.1) Identify the functional requirements

See folder "Task-1.1 & 1.3"

These are the initial notes we made. Certain things have been changed as our approach altered. It includes notes for Task 1.1 and 1.3

1.2) Design the processes using Activity diagrams

See folder "Task-1.2"

1.3) Decide on the patterns to address the functionality defined by the functional requirements and processes

See folder "Task-1.1 & 1.3"

1.4) Design the classes for each of the identified patterns taking their interrelationships into account

File name	Design Pattern
CommandCenter.jpg	Command
CoR.jpg	Chain of Responsibility
Deployables.jpg	Adapter
Observer.jpg	Observer
RocketFactory.jpg	Abstract Factory
Satellite.jpg	Composite and Decorator
SatelliteCommandCentre.jpg	Iterator
SimulationState.jpg	Memento
SpacecraftFactory.jpg	Abstract Factory
State.jpg	State
StaticFire.jpg	Template method

1.5) Draw a class diagram of your system

See folder "Task-1.5"