Project Specs

- Design Patterns for Space X:

 Abstract Factory (Creation of rockets and spacecraft)

 Factory Method

 Storage (Creation of rockets and spacecraft)

 Prototype (Creation of rockets and spacecraft)

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 Decorator (Decorate a rocket with which spacecraft)

 Adapter (Rocket communicates with Spacecraft)

 Command (Rocket release/Rock) spacecraft on

 Adapter (using the rocket to ignite the spacecraft)

- Design Pattern for Starlink:
 Prototype (create multiple satellites)
 Composite (can use prototypes to create a cluster of 60)
 Iterator (iterate through the Family of Satellites)

- What to think about:

 New or enake the rockets:

 Plant or enake the rockets:

 Plant or enake the rockets:

 Plant have either Satellites or not

 That depends on the state of the satellites if I ready, F9 takes off without it, else with it.

 So Decorate the F9 with satellites if the satellites are ready, else launch it without satellites.
- All Satellites must be the same
 Prototyping for duplication of objects
 They must be treated as a unit (dusters of 60), so the composite can handle that
 Using prototype to create the tree
 The treated of some of Satellites

- For the Rockets:

 Too Spress of engines:

 Too Spress of engines:

 Vacuum Merlin

 Can use prototyping

 Two Spress of Rockets:

 Factors:
 Fac

The Falcon Rockets

Cost through a testing state before bunch (state)

Falcon 9:

Stage 1:

Stage 2:

Stage 2:

Falcon New January State S

- For the spacecrafts:

 Two types:

 Crew Dragon

 More bust for there and back

 Dragon

 Less fuel

 Needs to be controlled from rocket, thus a command, adapter for communication

 Maybe a chain of responsibility SpaceX > rocket > Spacecraft

 Released from rocket:

 a. State for successful release?

- Dragon Spacecraft

 Crew Dragon:

 Send and return humans from station

 Dragon:

 Sends only cargo to station

Launch Simulator

Creation of codests, satellites

Mounting of spacecrafts onto rockets

Testing stafe for rockets

Launch:

Rocket Launch successful

If not land in the ocean

Low orbit:

If 37 release the satellites

Check if the satellites have successfully been deployed

Siggion

Release the payload

Spacecraft:

Crew:

There and back again

Dragon:

There