

Pre-Launch

Create a launch scenario:

Requirement	1
Requirement Title	Input cargo mass
Requirement text	The system must allow a user to input a mass for the cargo that will be launched by the rocket
Requirement details and constraints	The system will prompt the user to input the mass of the cargo that will be launched in kg.
Requirment date	23/10/2021

Requirement	2
Requirement Title	Input type of cargo
Requirement text	The system must allow a user to specify the type of cargo that will be launched by the rocket. For example, the cargo can be astronauts, supplies or satellites. The cargo could also be a combination of the three.
Requirement details and constraints	The system will prompt the user to specify the type of cargo that will be launched.
Requirment date	23/10/2021

Requirement	3
Requirement Title	Determine all viable combinations of spacecraft and rockets that meet the requirements specified by the user.
Requirement text	The system must determine all combinations of spacecraft and rockets that will meet the cargo type and cargo mass requirements specified by the user.
Requirement details and constraints	The system will use the information provided by the user to determine all viable combinations. The system must display the viable options to the user.
Requirement date	23/10/2021

Requirement	4
Requirement Title	Allow the user to select a viable combination.
Requirement text	The system must allow the user to select a viable combination.
Requirement details and constraints	The system will allow the user to select one of the viable combinations from the list of all viable combinations. The selected option will be a new launch scenario.
Requirement date	23/10/2021

Add the new launch scenario to the list of all launch scenarios:

Requirement	5
Requirement Title	Allow the user to select a viable combination.
Requirement text	The system must allow the user to select a viable combination.
Requirement details and constraints	<p>The system will allow the user to select one of the viable combinations from the list of all viable combinations.</p> <p>The selected option will be a new launch scenario.</p>
Requirement date	23/10/2021