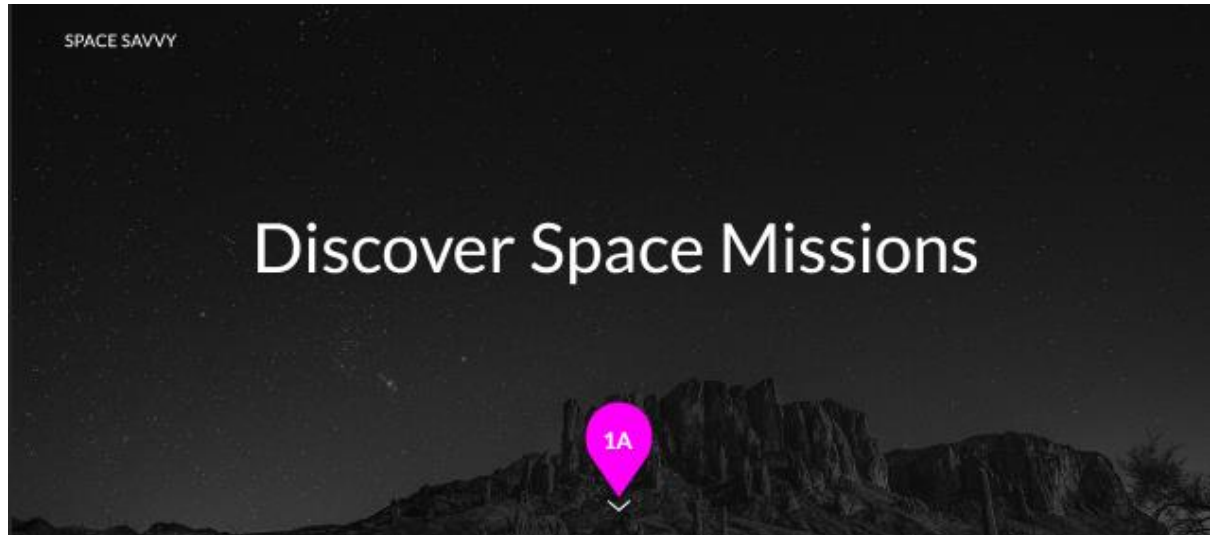


# FED Exercise Functional Specification

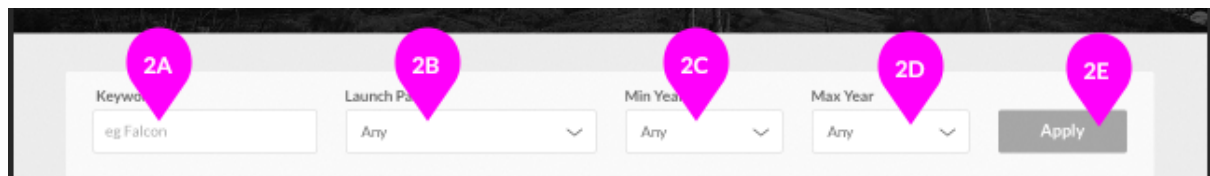
## 1 Header



### 1A

On Click, the page should scroll the header up just out of view.

## 2 Filters



### 2A

Entering a value will filter results where it's value matches either flight numbers, any word in rocket name or any word in payload id. If no value is entered, this should match all launches.

Place holder text is "eg Falcon".

### 2B

Launch pad select box, values are populated by launch pad data and should display the "launch pad's full name". Additionally, there should be an "Any" option which is selected by default.

Selecting an item will filter results to only missions launched from the selected launch pad. Selecting "Any" should match all launches.

## 2C

Min year select box, values are populated by all available years in launch data. Additionally, there should be an “Any” option which is selected by default.

Selecting a year should filter results to those launched on or after the year selected.  
Selecting “Any” should match all launches.

## 2D

Max year select box, values are populated by all available years in launch data. Additionally, there should be an “Any” option which is selected by default.

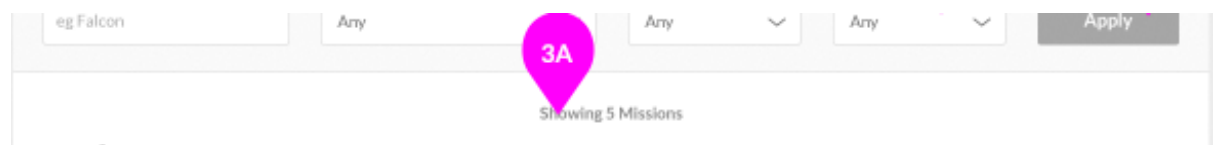
Selecting a year should filter results to those launched on or before the year selected.  
Selecting “Any” should match all launches.

## 2E

Apply button should apply all the filters from 2A, 2B, 2C & 2D to launch data and display matching results.

If an invalid year range has been selected, an alert should be presented to the user.

## 3 Results Header



## 3A

Should display how many results are showing as “Showing [N] Missions”.

## 4 Mission List Item



## 4A

If available, the “mission patch” image should be displayed.

## 4B

The title should display as “[ROCKET NAME] - [PAYLOAD ID]”

If the mission is deemed unsuccessful by either a “failed launch” or a “failed landing”, the red text “Failed Mission” should be appended to the title.

#### 4C

Subtitle should display as “Launched on [DATE] at [TIME] from [LAUNCH PAD FULL NAME]”

#### 4D

All button links should open in a new tab.

If link available, the “Reddit Campaign” button should display and link to the campaign site

If link available, the “Reddit Launch” button should display and link to the launch site

If link available, the “Reddit Recovery” button should display and link to the recovery site

If link available, the “Reddit Media” button should display and link to the media site

If link available, the “Press” button should display and link to the press site

If link available, the “Article” button should display and link to the article site

If link available, the “Watch Video” button should display and link to the video site

#### 4E

Displays the launch “flight number”.

### 5 Footer



#### 5A

Clicking this link should scroll the browser back to the top of the results.