

Test Plan

1. Prerequisite: react, js

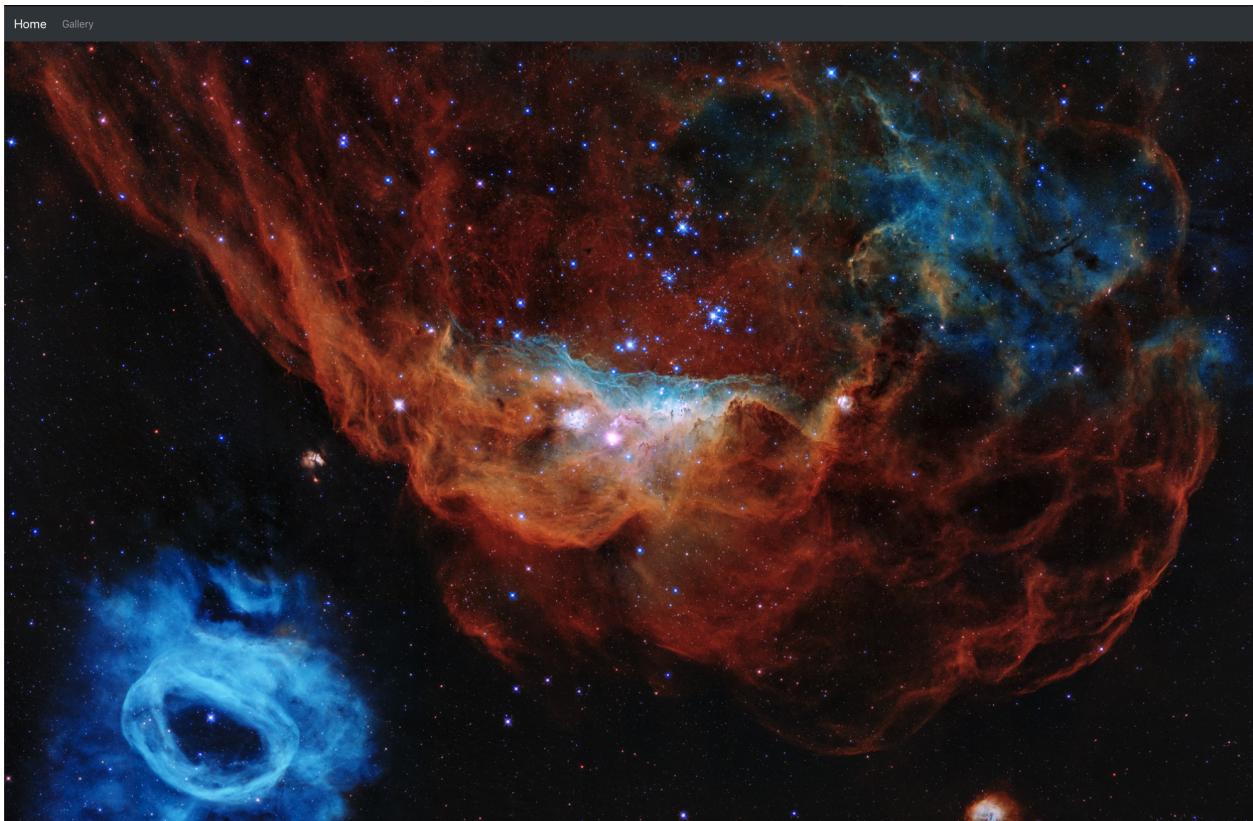
2. Envirment setup and configuration:

- A. software: VS code
- B. operating system: MacOs
- C. hardware: laptop

3. Test

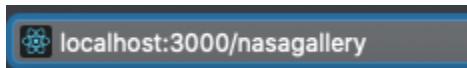
#1 home page

the first page I saw when I open the app should be the home screen like below



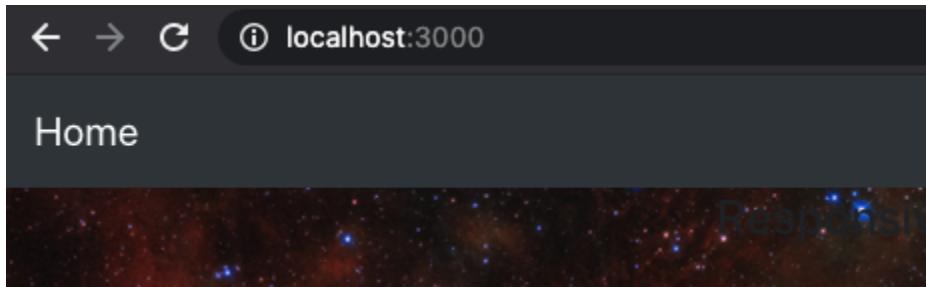
I should see the navigation bar on the top of the screen and the HOME header highlighted.

#2 use url to navigate to gallery screen like below

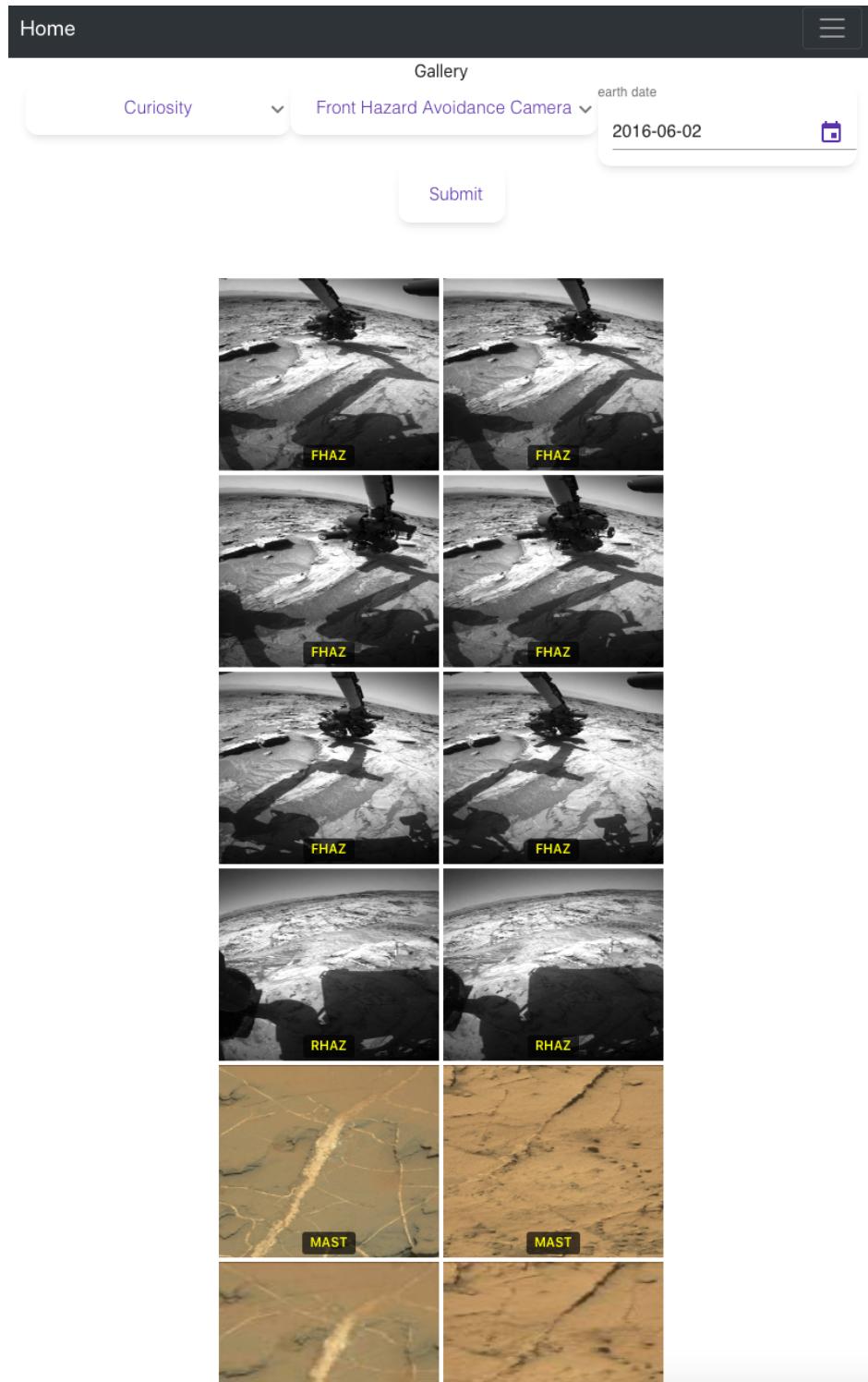


I should see gallery screen show up

#3 use url to navigate to home screen like below

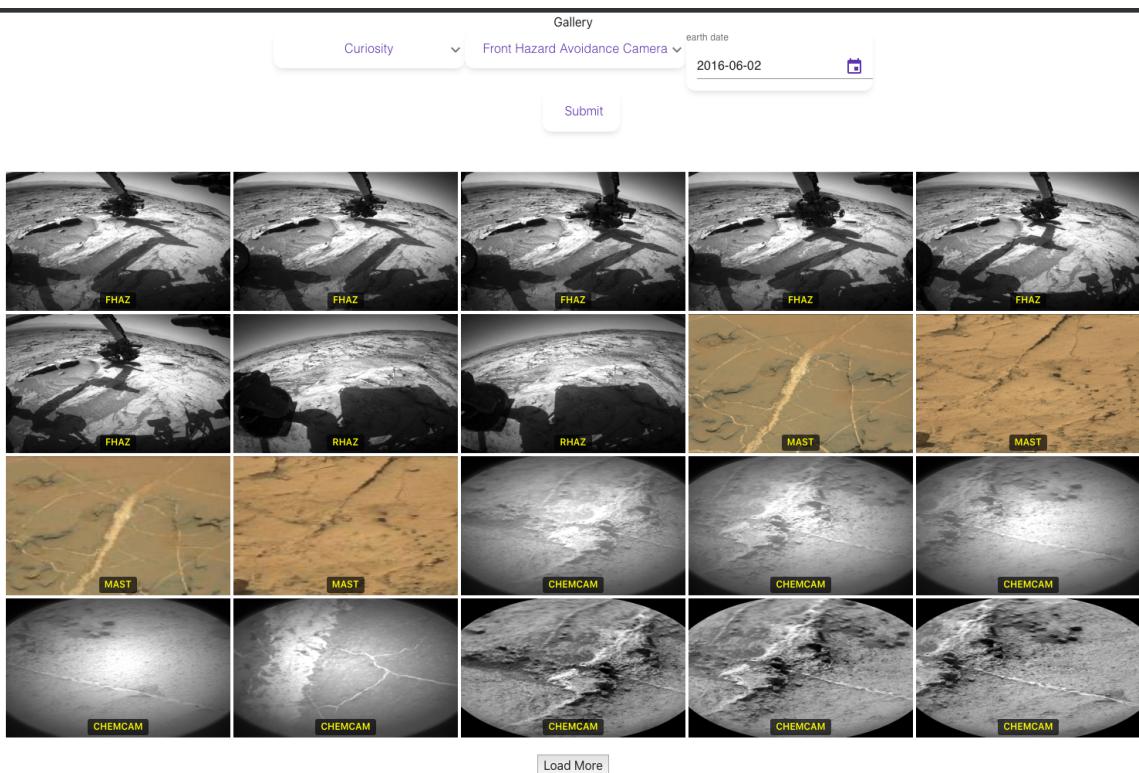


#4 use navigation bar to navigate to gallery screen

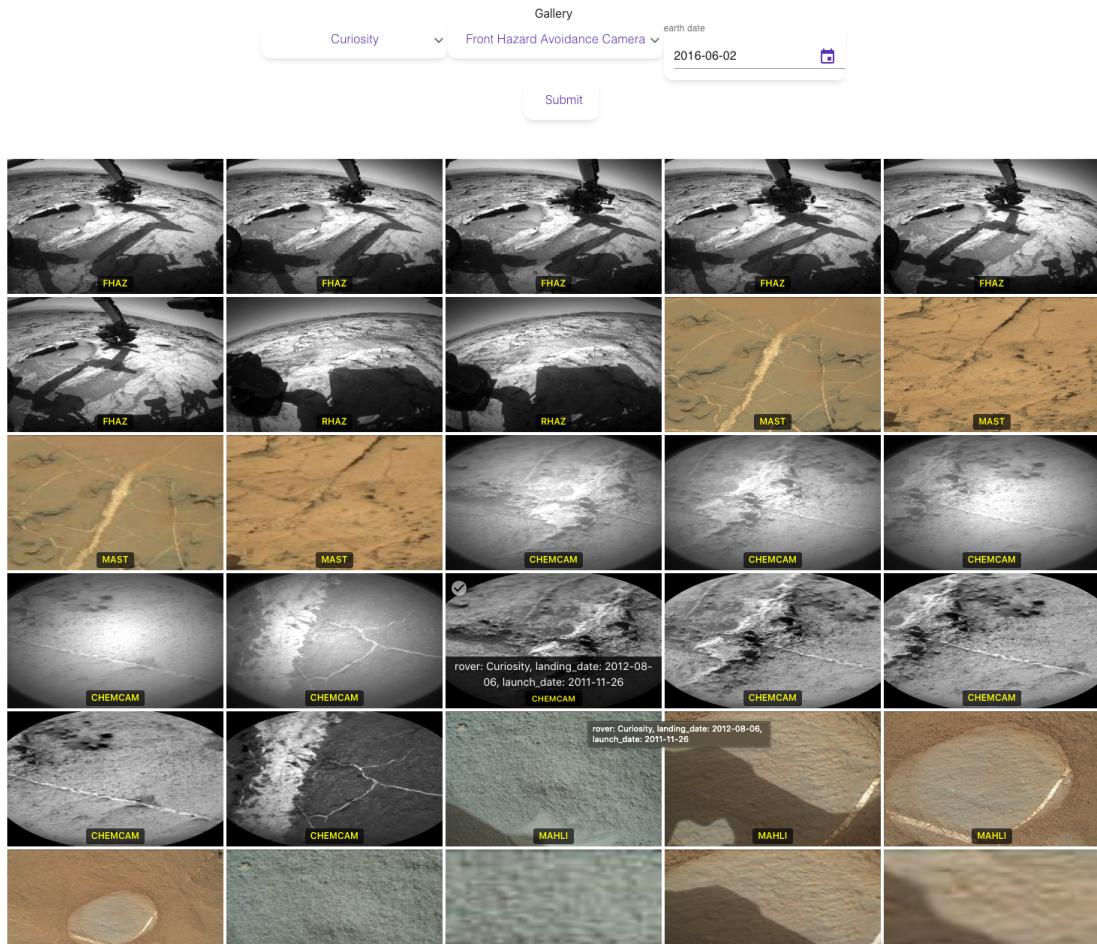


#5 load more

initial screen before load more is clicked



after load more is clicked I should screen like this below



#6 select option

For each image I should be able to select the image so the icon for selected will show up like below.



#7 unselect option

I should be able to unselect the select button, and screen should similar to below



#8 image detail view

After clicking the image, a pop up window should show up with a large image and caption with details like rover name, landing date and launch date. it will also shows a left or right arrow so user can go to next/previous image if applicable



#9 query by rover name and camera type:

I select curiosity rover and the camera type of front hazard avoidance

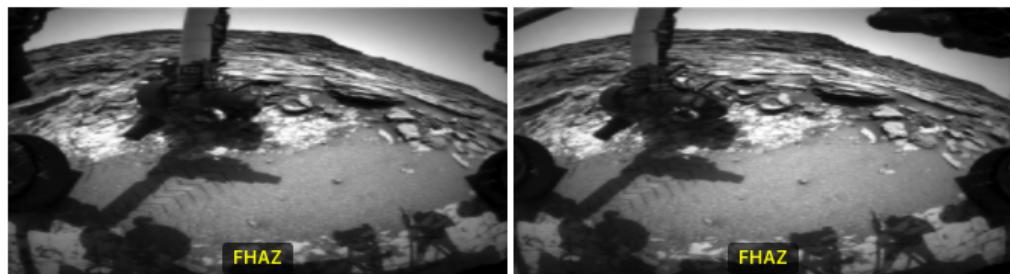
It should show a list of image with tag “FHAZ” like below

Gallery

Curiosity

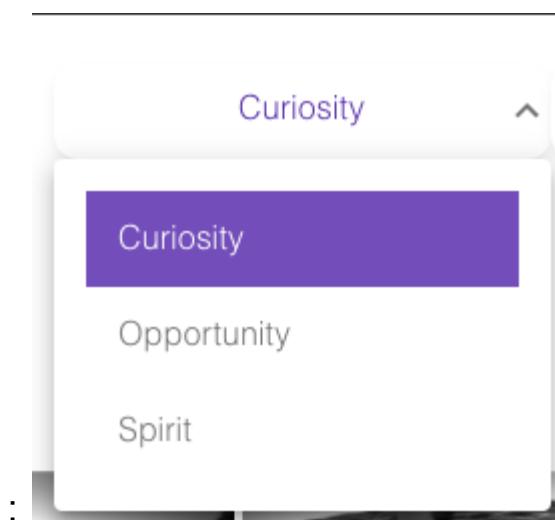
Front Hazard Avoidance Camera

Submit

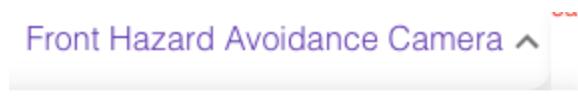


Load More

#10 select button for rover name, when user clicked the the select button for rover, it should show a list of selection like below the default is Curiosity



#11 select button for camera type, when user clicked the the select button for camera, it should show a list of selection like below the default is FHAZ

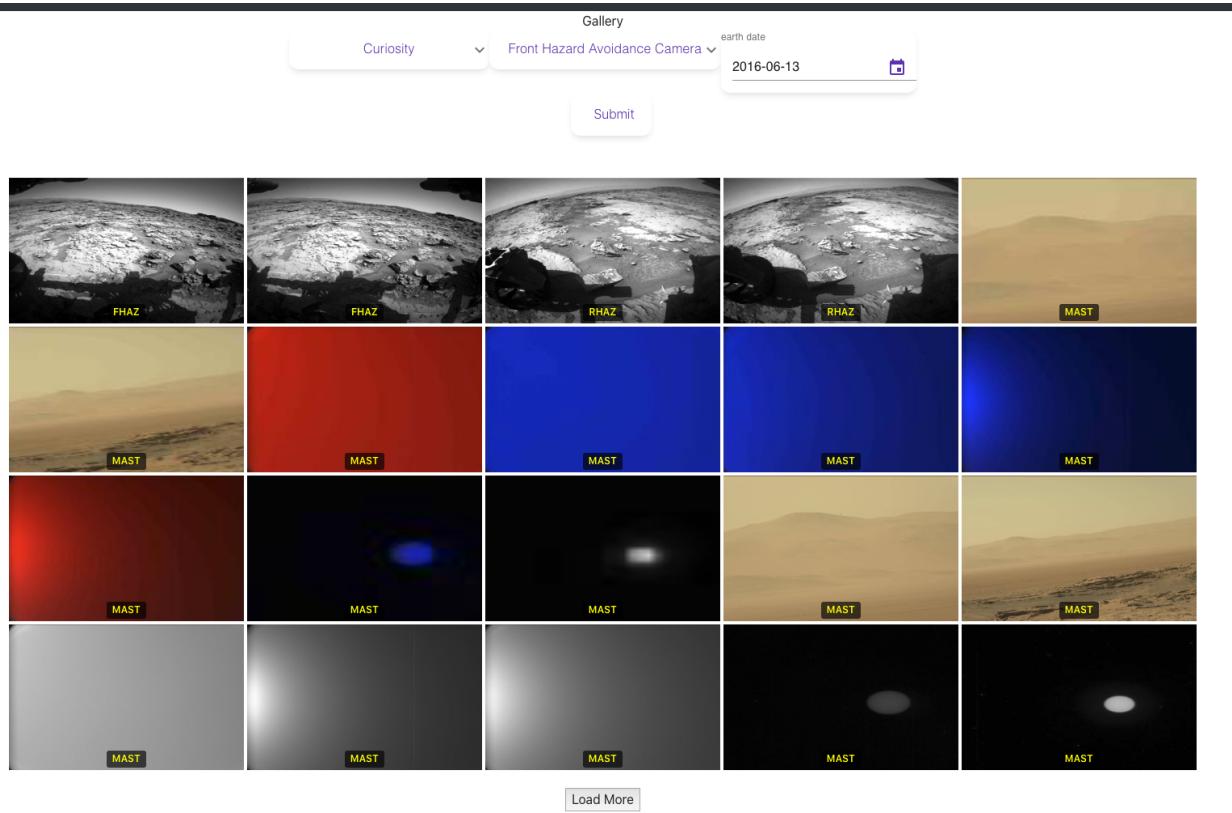


Rear Hazard Avoidance Camera

Navigation Camera

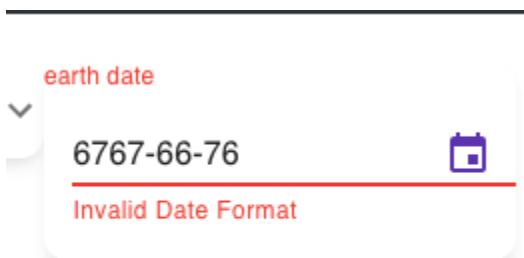
#12 query by rover name and earth date

I select the date as 2016-06-13 and rover Curiosity and it should show the screen like below.



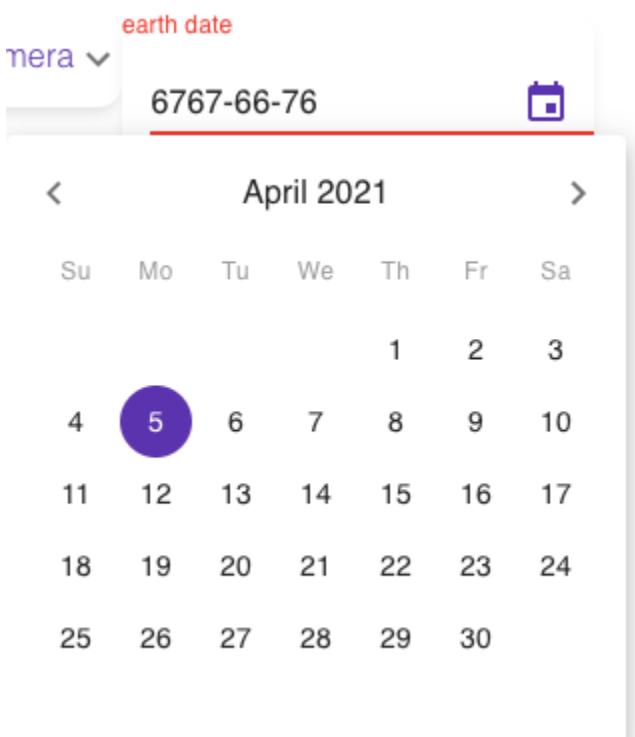
#13 date picker with invalid input

if the user type in a invalid input, then it should show error message like below



#14 calendar selection

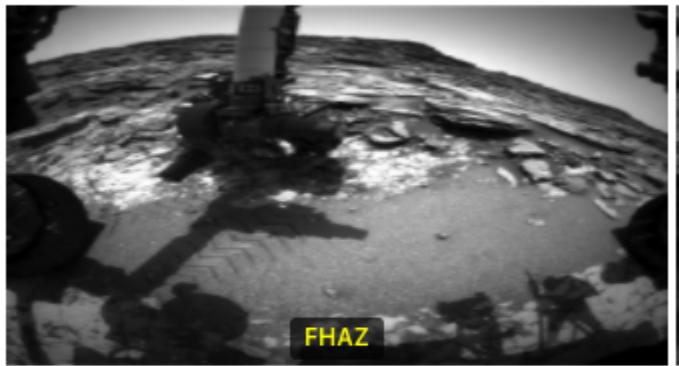
when the user clicked the calendar icon the calendar should show up so the user should be able to select the date like the screenshot below.



#15 overlay of caption and tag

when the user moves the cursor to the image, the layer of caption will show up like below!

before:

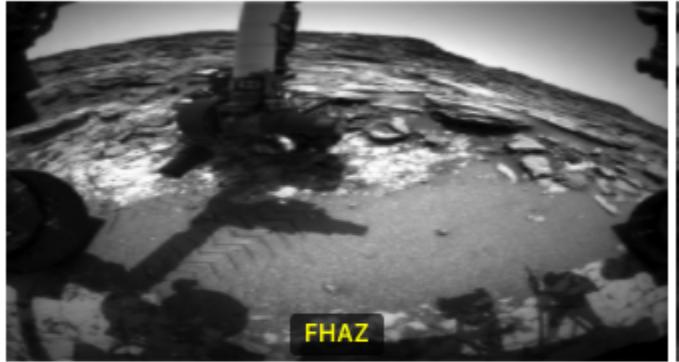


after:



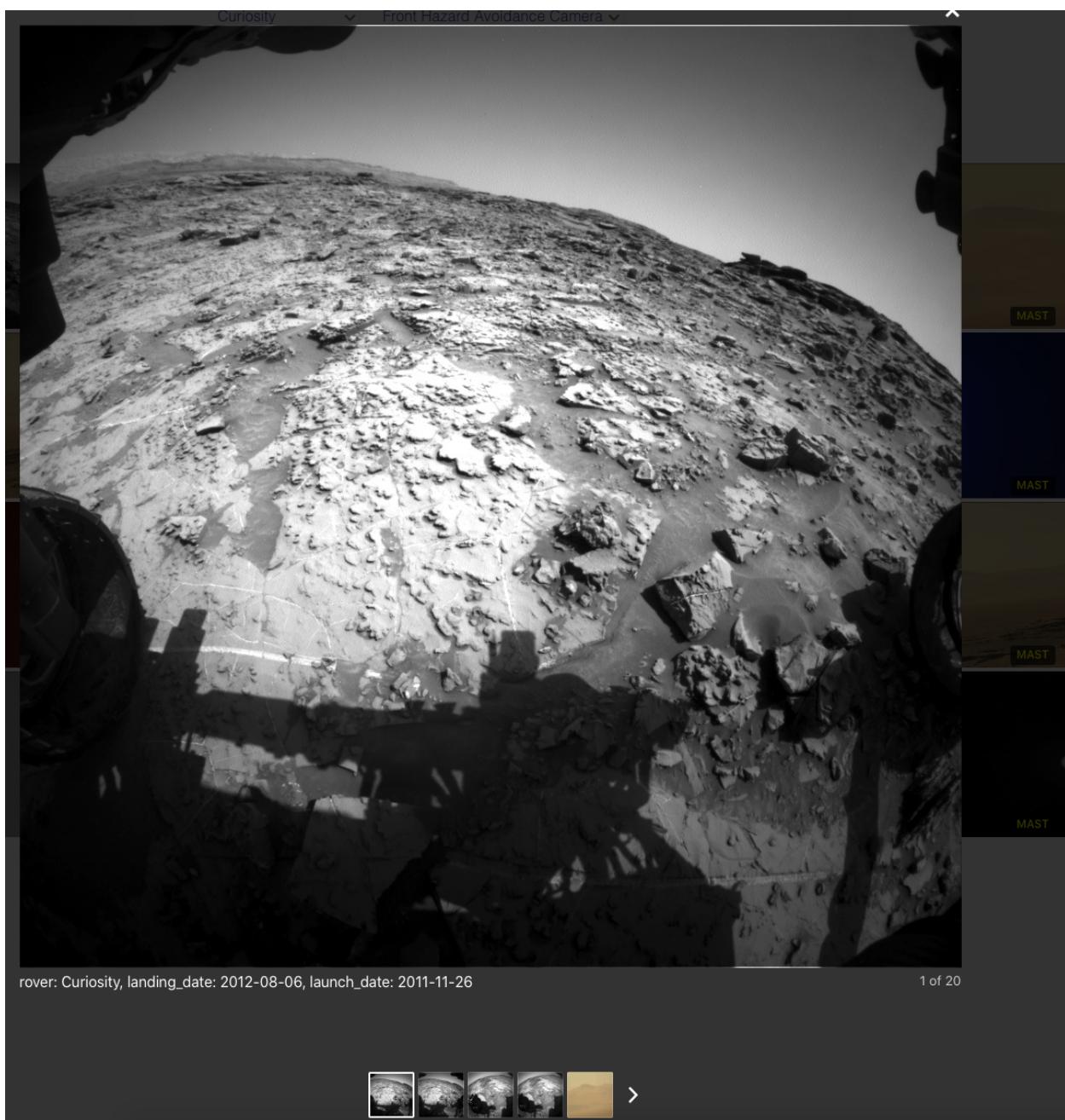
#16 image with tag

for image in the gallery, the user should always see the tag(camera type) in the image like below:



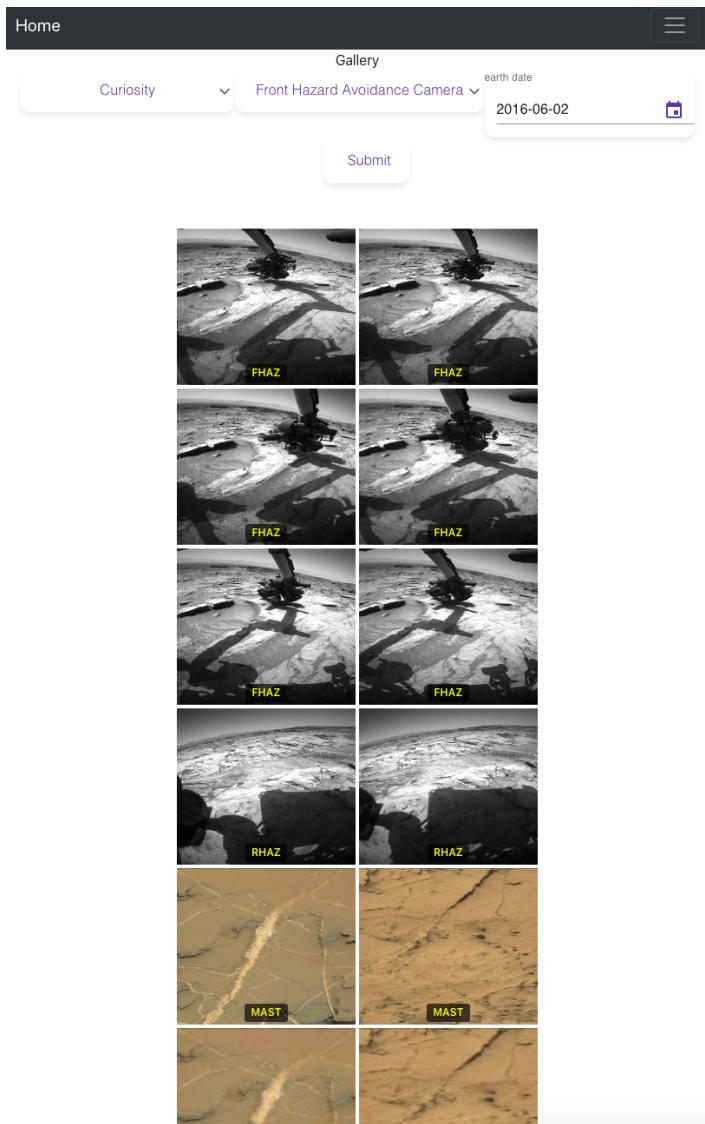
#17 able to navigate to different image

the user should be able to navigate to different images by clicking the image in the image detail window if there are multiple images in the gallery



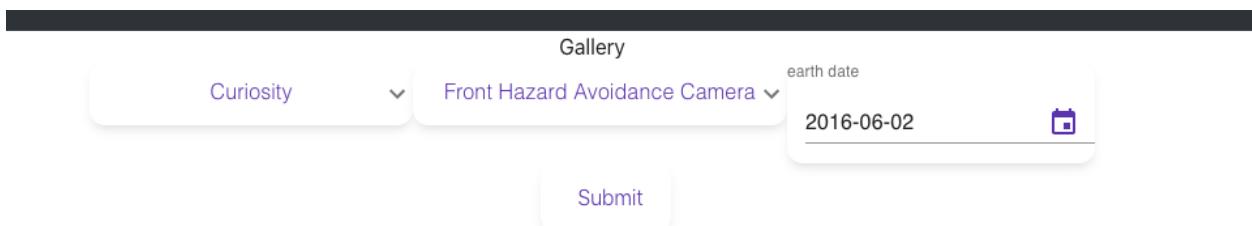
#18 Responsive screen

when the user change the screen, the gallery will reduce to 2 columns in one row or 1 column in one row if applicable



#19 default value check

When first load the gallery screen, the default rover type is Curiosity, camera type is FHAZ and default date is 2016-6-2 like the screenshot below



#20 default gallery

the default gallery is set to be the image taken by curiosity on earth date 2016-6-2 show like below

