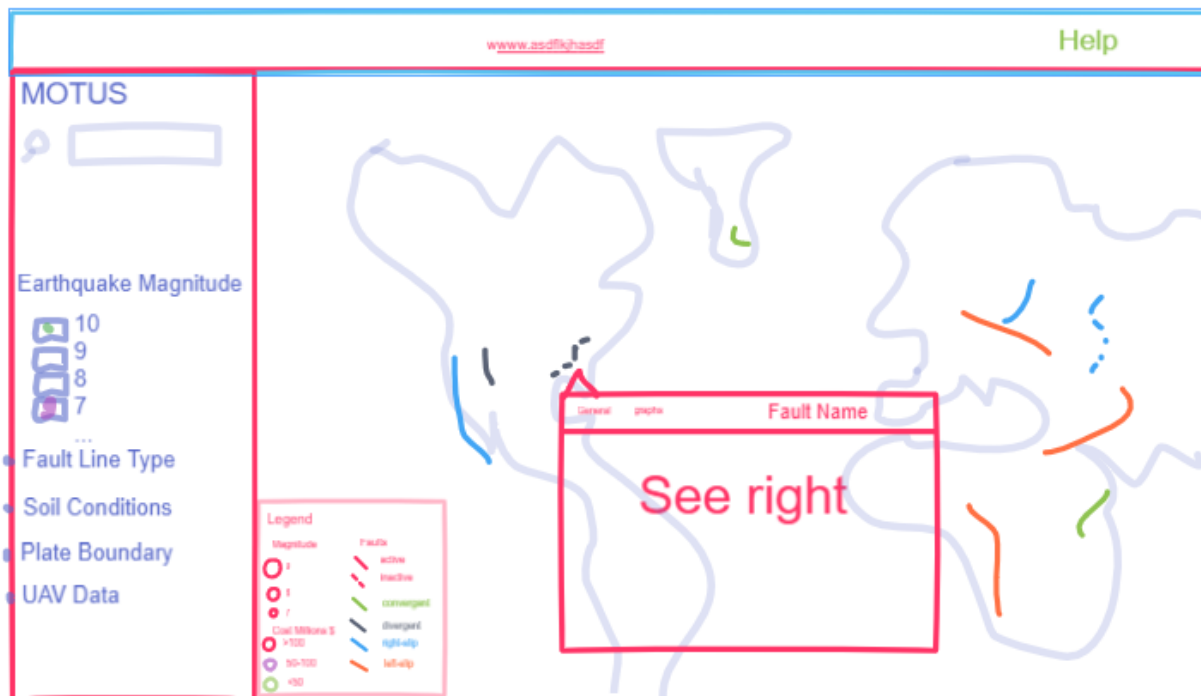


# Creating User Interface Mockups: Motus app

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The menu is on the left side of the screen. The top of the menu will have a search bar that allows users to search by location. Below the search bar is a collapsible menu. In each tab is a list of options with checkboxes. If the checkbox is selected, it will appear on the map. The current menu items will be earthquake magnitude, earthquake cost, fault line types, soil conditions, plate boundaries, and UAV data. Earthquake magnitude will be displayed by circles that increase in size with magnitude. The earthquake cost will be the color the circle, with more costly earthquakes being more red. Fault lines and plate boundaries will be lines of different colors. Inactive faults will be dashed. On the top right of the screen will be a help button. It will bring up a page explaining the app and how to use it. The legend will be at the bottom left hand of the map displaying the relevant symbols (as opposed to displaying all options). When the user selects an earthquake, fault, or UAV data a popup box will appear.

General Pictures Earthquake name

Location (town, region, county)  
 Epicenter coordinates  
 Duration 1.5 mins  
 Date 1/19/2019  
 magnitude (Richter Scale, ) : 8.2  
 Aftershocks duration(days, weeks)  
 Aftershocks peaks ( 5.3)  
 .....

Pictures

Location Date and time

Picture

Upload Search

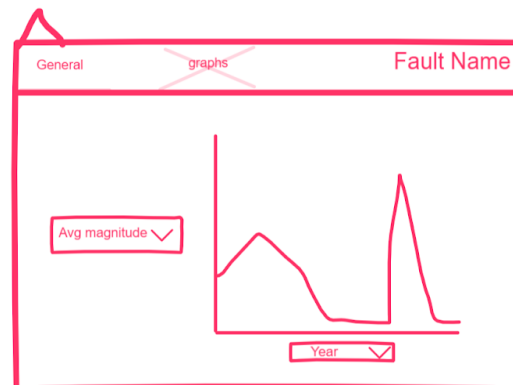
type something

When an earthquake is selected in the map, the the left pop up window shown above will appear and will display the general information about the earthquake. It will give the location, the epicenter coordinates, the duration of the earthquake, the date and time , the magnitude scale. The aftershocks duration and peaks, etc.

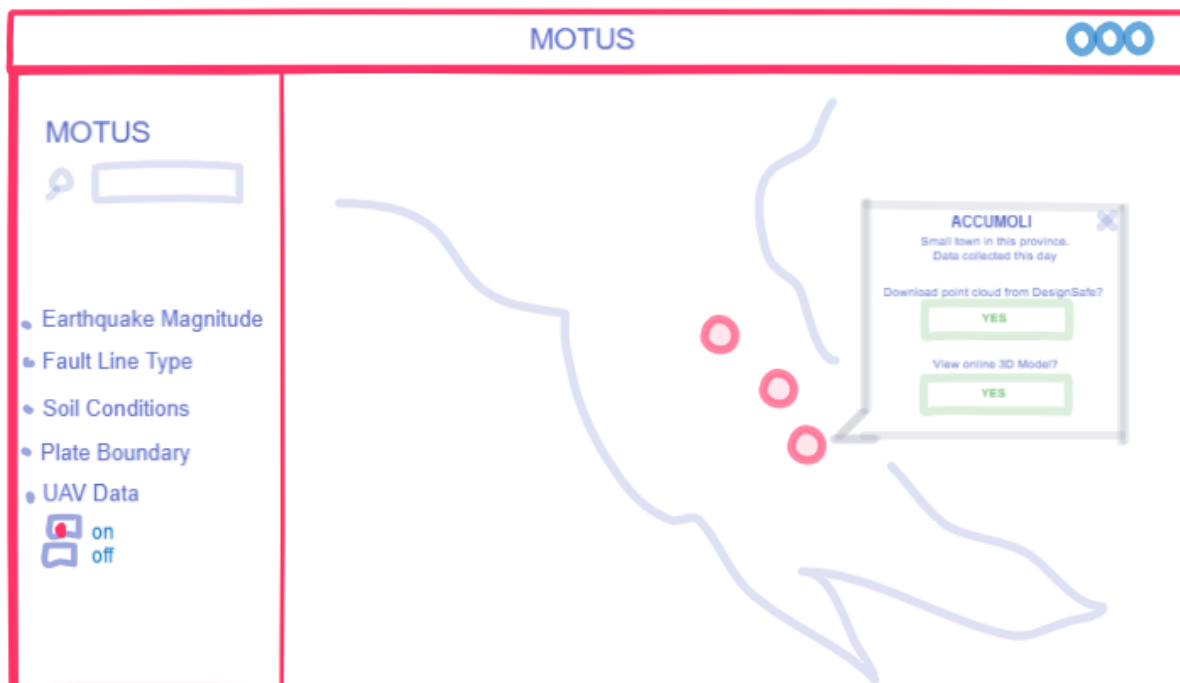
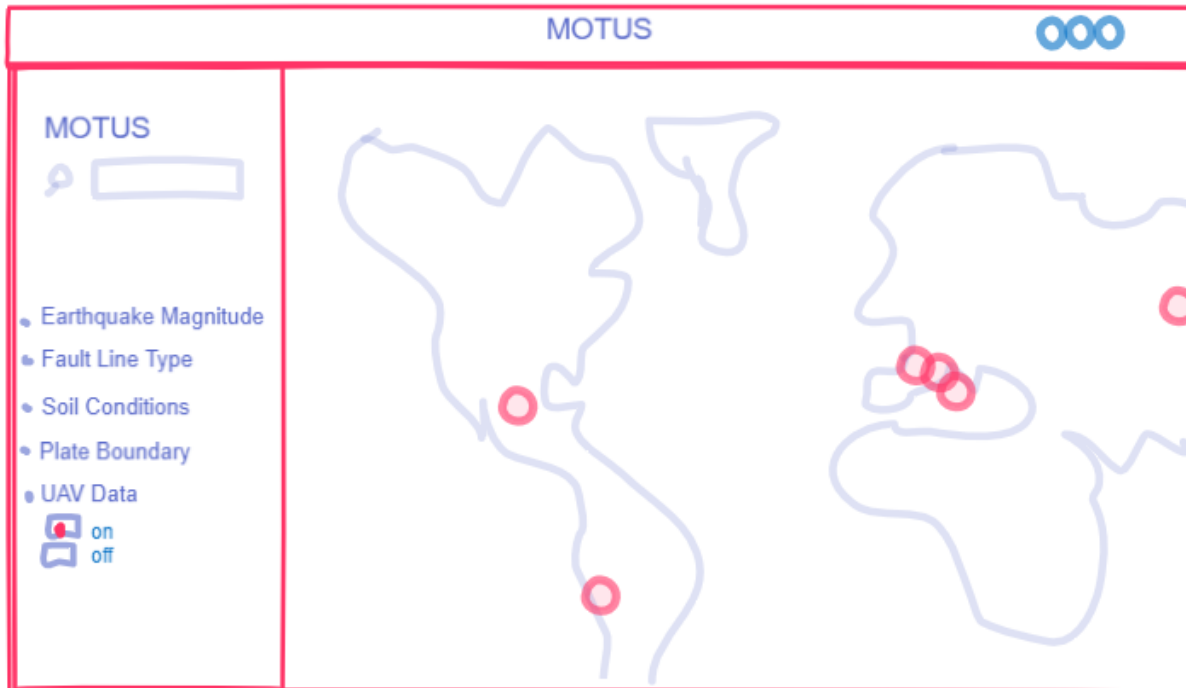
By selecting the pictures button at the top of the tab another window will open and it will be displaying the current pictures for the earthquake. It will also give the option to upload a picture from the computer or another online source.

General graphs Fault Name

Type of Fault  
 Active/inactive  
 Number of Earthquakes past 50 years  
 total observed earthquakes  
 average magnitude  
 max magnitude  
 average deaths  
 max deaths  
 average cost  
 max cost



When a fault is selected the above image will appear. By default, the box will give: the type of fault, if the fault is active, number of earthquakes associated with the fault, average and max magnitude earthquake, average and max cost of earthquake, ect. By selecting the other tab, the user will be able to graph earthquake statistics from the fault over time. The user will be able to select what data he wants graphed from the list above.



This is a mockup of what it may look like when there is UAV data at a certain area. If the user clicks one of the polygons then a popup window will appear. This window will help the user access the data in different ways.

**ACCUMOLI** ✕

Small town in this province.  
Data collected this day

Download point cloud from DesignSafe?

YES

View online 3D Model?

YES

There will be an option to download data from DesignSafe, if clicked, they will be taken to the DesignSafe website where they can access the data. The user may also just want to view the 3D model for the area. This can be done by clicking the second “YES” button and he or she will then be taken to the BYU ROAM website.