How to use this Application:

Using the App is simple and straightforward, however in here, get yourself familiarized with the icons and buttons and their functionalities. Here we demonstrate how to generate your first map.

**ICONS and BUTTONS**

When you launch the app, you will see the map of USA including Alaska and Hawaii. The map extended to Canada to the north and Mexico to the south.

In the lower bar, there are five icons as follows:

**Map, Atlas, Layer, Key, options**

On top bar there are two buttons, **Tools** in the top left and **Reset** in the top right.

Following describe the functionality of these icons and the Buttons.

- **Map** - Generate the map from selected layers
- **Atlas** - Lists 44 Map Layers
- **Layer** - Display descriptions of the selected layers
- **Key** - Key display legend for the layers
- **Options** - Display various options for setting up the base map

**Tools** - By tapping Tools, a new screen with the following switches and Buttons will be displayed, Add A Note At A Location, Display All Notes, Edit Notes, Calculate Distance Between 2 Points and Calculate Area Of A Polygon, Help and Show Help

**Reset** - Cancel the Zoom, clear all the selected layers and the map will be displayed in its initial scale
How to generate your first map

1. This is the first screen after the launch screen.

2. Tap on Options ⬆️ and select the setting you want for your base map.
3. Tap the Map icon and the Basic Map with the above setting will be displayed.

4. Tap the Atlas icon and select the map layers.
5. Tap on Map icon 🗺️. Your selected layers will be displayed.

6. To read the description about the layers, tap on Layer icon 📁.
7. To see description of other layers tap the button “Next Layer” on the top right corner.
How to map a specific item from the key

1. Tap on the Key icon. In this example the key for Geologic Map will be displayed. Deselect all by tapping on the "Deselect All" Button. Select the items you want to map. In this example Cretaceous Rocks, Faults and Earthquakes.

2. Tap on the Map icon. Map with selected items will be displayed.
How to identify a unit directly from the map

1. Short Tap display the State Name or if County Boundaries selected, on the top bar.

2. Long Tap display the name of the selected area (in this case geological unit) on the top bar.
Tools

Add A Note At A Location, Show All Notes

1. Tap on the Tools, The following option will be displayed:

2. Select Add A Note At A Location and Show All Notes, Then tap on the left.
3. Generate a map you wish. For example, Seismic hazard, Earthquakes, Faults and Volcanoes.

4. Tap on the map where you like to add a note. White text box, green circle and the Keyboard will appear on the map. Type your note. You can add as many notes you like.
5. Tap on the Edit Button to edit and save your notes,

6. To see your note, simply tap on the green circle.
Calculate Distance Between 2 Points

1. From Tool Menu select this option. Then tap on the left on the top Left.

   Notes
   - Add A Note At A Location
   - Display All Notes

   Calculate
   - Calculate Distance Between 2 Points
   - Calculate Area Of A Polygon

   Help
   - Show Help

2. Tap on 2 points of the map. The red Line drawn between two points and the distance in Kms. and Miles will be displayed in the bottom left corner.
Calculate Area Of A Polygon

1. From Tool Menu select this option. Then tap on the left on the top Left.

2. To Calculate area, draw polygon on map with finger (NB. Polygon closes automatically when you lift your finger). The area of the polygon will be displayed in sq kms and sq mls in the bottom left corner.
How to display more detailed Geologic Map for each State

1. Tap on the Atlas icon, Select Geologic Map 1:500 K, State by State, tap on the Map icon, the Basic Map of USA will be displayed.

2. In the search box on the top bar type the state you are interested, e.g. Texas.
3. Tap on the name and the detail geologic Map of the state of Texas will be displayed.