Project 1: Volunteered Geographic Information Web Apps using ArcGIS Online (Up to 100 Points)

Task: Build apps and associated assets to collect volunteered geographic information using ArcGIS Online and app development tools. The theme of these products is up to you; however, they must be focused on collecting data from users.

Requirements:
1. Publish at least one hosted feature layer to ArcGIS Online for users to edit into with appropriate geometry, fields, and domains. You may need to publish more than one hosted feature layer, depending on the purpose of your apps.
2. Publish additional layers to ArcGIS Online as needed for your apps/maps.
3. Build a web map using your layers.
4. Create an app using an Instant App that allows users to edit your hosted feature layer by interacting with a map.
5. Create a Dashboard app for monitoring the collected data.

Grading Considerations:
- ❖ The goals of the project are clear and the generated content meet the stated goals. (Up to 10 Points)
- ❖ Appropriate and effective symbology for all layers. (Up to 10 Points)
- ❖ Pop-ups are well configured or disabled if not necessary. (Up to 20 Points)
- ❖ Appropriate set-up of hosted feature layer; well-defined fields and domains. (Up to 10 Points)
- ❖ Well-designed web map; included layers add to the effectiveness of the map and associated apps (Up to 10 Points)
- ❖ Overall quality of maps, apps, and data presentation. The resulting apps should be professional, functional, and well configured. The apps and map should have a clear theme and purpose and be designed with these in mind (Up to 20 Points)
- ❖ Functionality of all apps. Apps should be easy to use and navigate and allow for effective data collection. (Up to 20 Points)

Deliverables:
- ❖ Less than one-page write up that describes the purpose of the project and all of the deliverables
- ❖ List of references for data used
- ❖ URLs for all generated apps. URL for website. Make sure to share the app and all assets with at least the WVU ArcGIS Online organization.