Entities and Their Attributes:

Users:

* UserID (Primary Key)
* Origin (third-party source, e.g., Google, Facebook, Apple, etc.)
* Email
* OrgID

Ecological Events:

* EventID (Primary Key)
* Title
* Description
* EventDate
* EventTag (e.g., Marine Science, Fossil, Agriculture, etc.)
* UserID (Foreign Key, referring to the user who reported the event)
* LocationID (Foreign Key, referring to the location of the event)

Organization:

* OrgID
* OrgName
* OrgLocation

Locations:

* LocationID (Primary Key)
* Name
* Latitude
* Longitude
* Country
* Other location-related attributes (e.g., ecosystem type, altitude, etc.)

Comments:

* CommentID (Primary Key)
* Text
* CommentDate
* UserID (Foreign Key, referring to the user who posted the comment)
* EventID (Foreign Key, referring to the event the comment is related to)

Media Files (Images, Videos, etc.):

* MediaID (Primary Key)
* FileType (e.g., image, video, etc.)
* FileName
* FilePath
* UploadDate
* UserID (Foreign Key, referring to the user who uploaded the media)
* EventID (Foreign Key, referring to the event the media is related to)

Tags:

* TagID (Primary Key)
* TagName
* Description

Event-Tag Association (Many-to-Many):

* EventTagID (Primary Key)
* EventID (Foreign Key, referring to the event)
* TagID (Foreign Key, referring to the tag)

Sessions:

* SessionID (Primary Key), granted to user via a cookie
* SignedIn (boolean, defaults to false, set to true when the user has authenticated)
* UserID (Foreign Key, referring to the user associated with the session)
* Rank
* First Name
* Last Name