**Schema Structure**

| **Field Name** | **Data Type** | **Description** |
| --- | --- | --- |
| **users** | Array | A collection of user objects |
| **username** | String | Unique identifier for the user |
| **name** | String | Full name of the user |
| **email** | String | Email address of the user |
| **assets** | Array | A collection of asset objects |
| **asset\_name** | String | Name of the asset |
| **description** | String | Description of the asset |
| **creator** | String | Username of the asset creator |
| **type** | String | File type of the asset (e.g., JPG, PNG) |
| **filesize** | String | Size of the asset (e.g., 4.5Mb) |
| **resolution** | String | Resolution of the asset (e.g., 1920x1080) |

**Justification of Data Types**

Array:

Used for users and assets to allow for multiple entries. This reflects the sample data structure that contains several users and assets.

String:

Used for username, name, email, asset\_name, description, creator, type, filesize, and resolution. Strings are suitable for these fields as they represent text.

Using strings for filesize and resolution allows for various formats (e.g., "4.5Mb", "2048x1536"), making the schema adaptable to different asset characteristics.