**Data Set Attributes :**

**Seeds Dataset Sample:**

| **Attribute** | **Description** |
| --- | --- |
| Seed\_ID | Unique identifier for each seed |
| Seed\_Name | Name or type of the seed |
| Temperature | Optimal temperature required for seed growth |
| Soil\_Type | Suitable soil type for cultivation |
| Water\_Need | Water requirements for the seed |
| Moisture | Ideal moisture levels for growth |
| Humidity\_Rate | Preferred humidity level |
| Rainfall | Tolerance to rainfall patterns |
| Hydrometry\_Rate | Required water content in the soil |
| Sunshine\_Rate | Optimal sunlight exposure |
| Growth\_Stages | Stages of growth for the seed (e.g., germination, flowering, harvesting) |

**User Purchase History Dataset Sample:**

| **Attribute** | **Description** |
| --- | --- |
| **User\_ID** | **Unique identifier for each user** |
| **Seed\_ID** | **Seed purchased by the user** |
| **Purchase\_Date** | **Date when the seed was purchased** |
| **Sowing\_Time** | **Time or period specified by the user for sowing the seed** |
| **Location** | **User's location (latitude, longitude, or place name)** |
|  |  |

**Weather Dataset Sample:**

| **Attribute** | **Description** |
| --- | --- |
| Location\_ID | Unique identifier for each location |
| Date\_Time | Date and time for weather data measurement |
| Temperature | Actual temperature recorded |
| Humidity | Humidity level |
| Rainfall | Amount of rainfall |
| Wind\_Speed | Speed of the wind |
| Weather\_Description | Description of weather conditions |

**Cultivation Plan Dataset Sample:**

| **Attribute** | **Description** |
| --- | --- |
| User\_ID | Unique identifier for each user |
| Seed\_ID | Seed for which the cultivation plan is generated |
| Sowing\_Date | Planned date for sowing the seed |
| Watering\_Schedule | Frequency and timing for watering |
| Fertilization\_Schedule | Schedule for applying fertilizers |
| Growth\_Stage | Current growth stage of the seed |
| Harvest\_Date | Estimated date for harvest |

**Alerts Dataset Sample:**

| **Attribute** | **Description** |
| --- | --- |
| User\_ID | Unique identifier for each user |
| Seed\_ID | Seed associated with the alert |
| Alert\_Type | Type of alert (e.g., watering, weather-related) |
| Alert\_DateTime | Date and time for the alert generation |
| Alert\_Description | Description or details regarding the alert |
| Threshold | Threshold level for the specific alert type |