Approach for the Project: Data Harmony: SQL Table Documentation System

1. **Table Information:**
   - **Table Name:** Name of the table.
   - **Description:** Brief description of the purpose or content of the table.
   - **Date Created/Modified:** Record when the table was created or last modified.
2. **Column Information:**
   - **Column Name:** Name of the column.
   - **Data Type:** The type of data the column can hold (e.g., VARCHAR, INT, DATE).
   - **Length/Precision/Scale:** For character data, specify the maximum length; for numeric data, specify precision and scale.
   - **Nullable:** Indicates whether the column allows NULL values.
   - **Default Value:** If applicable, specify the default value for the column.
   - **Constraints:** Specify any constraints like PRIMARY KEY, FOREIGN KEY, UNIQUE, etc.
   - **Description:** Provide a brief description of the purpose or content of the column.
3. **Indexes:**
   - **Index Name:** Name of the index.
   - **Columns:** List of columns included in the index.
   - **Type:** Specify whether it's a unique index, clustered index, non-clustered index, etc.
4. **Relationships:**
   - **Foreign Key:** If applicable, specify the foreign key relationships between tables.
   - **Referenced Table:** The table to which the foreign key refers.
   - **Relationship Type:** Specify the type of relationship (e.g., one-to-many).
5. **Triggers:**
   - **Trigger Name:** If applicable, specify the name of the trigger.
   - **Event:** Specify the event that triggers the execution of the trigger (e.g., INSERT, UPDATE, DELETE).
   - **Action:** Describe the action or set of actions performed by the trigger.
6. **Additional Notes:**
   - Include any additional notes or considerations for the table, such as data retention policies, access permissions, or any other relevant information.
     Table: Employees
     - Description: Contains information about company employees.
     - Date Created: 2023-01-01
     - Date Modified: 2023-05-15

     Columns:
     1. employee_id
        - Data Type: INT
        - Nullable: No
        - Constraints: PRIMARY KEY
        - Description: Unique identifier for each employee.

     2. first_name
        - Data Type: VARCHAR(50)
        - Nullable: No
        - Description: First name of the employee.

     3. last_name
        - Data Type: VARCHAR(50)
        - Nullable: No
        - Description: Last name of the employee.

4. hire_date
  - Data Type: DATE
  - Nullable: No
  - Description: Date when the employee was hired.

Indexes:
- PK_Employees: Primary Key on employee_id

Relationships:
- No external relationships.

Triggers:
- No triggers defined.

Additional Notes:
- This table is part of the HR database and is linked to other tables, such as Departments and Salaries.