**Abstract:**

Content Management System is an application to maintain offline text content into Database with following Data Dictionary.

This system will organize content hierarchical way.

Subject =>Chapter=>Topics

**User**:

**1.Admin:**

**Role:** Admin has all privileges:

**Responsibilities:** Admin is responsible for following activities:

a. To Login (with Default Credentials).

b. To Add/Remove Learner.

c. To Add /Remove or Update Content.

**11. Data Dictionary**

Table:**AdminRegistration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Field Name** | **Data Type** | **Constraint** |
| 1. | Email | varchar(50) | PK\_Email |
| 2. | FirstName | varchar(50) |  |
| 4. | LastName | varchar(50) |  |
| 5. | Password | varchar(20) |  |

Table:**SubjectMaster**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Field Name** | **Data Type** | **Constraint** |
| 1. | SubjectId | varchar(50) | PK\_SubjectId |
| 2. | SubjectName | varchar(50) |  |
| 3. | Domain | varchar(50) |  |

Table: **ChapterMaster**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Field Name** | **Data Type** | **Constraint** |
| 1 | ChapterName | varchar(50) | PK\_ChapterName |
| 2. | SubjectId | varchar(50) | FK\_SubjectId |
| 3. | LastUpdatedOn | DateTime |  |

Table: **TopicMaster**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Field Name** | **Data Type** | **Constraint** |
| 1 | TopicName | varchar(50) | PK\_TopicName |
| 2. | SubjectId | varchar(50) | FK\_SubjectId |
| 3. | ChapterName | varchar(50) | FK\_ChapterName |
| 4. | Content | varchar(MAX) |  |
| 5. | CreationDate | Datetime |  |

Table:**LearnerProfile**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sr.No** | **Field Name** | **Data Type** | **Constraint** |
| 1. | Email | varchar(50) | PK\_LPEmail |
| 2. | FirstName | varchar(50) |  |
| 3. | LastName | varchar(50) |  |
| 4. | Dob | DateTime |  |
| 5. | Gender | varchar(10) |  |
| 6. | Password | varchar(20) |  |

**Note: Please follow below Instruction:**

* 3 tier Architecture Model
* Microsoft coding standards
* Database should be normalized
* Use of SP and Views for all database operations
* Please apply Not Null, Unique and Check constraint appropriately.