Architecture

[KUMO]

Version [2.0]

Prepared by

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1 Application: Database Architecture Diagram

1. Central Admin core tables
   1. Client table

|  |  |  |  |
| --- | --- | --- | --- |
| Client Table | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Client Name | String | Yes | Name of client |
| DBName | String | Yes | Name of database store all business data |
| DBUser | String | Yes | Username to connect database |
| DBPassword | String | Yes | Encrypt password using to for client website connect to database |
| DBServer | String | Yes | IP Address or host name of DB Server. Assume that is Azure SQL server. |
| Status | Choice | Yes | Single value using these option : Active, Inactive, Deleted, Pending, Deploying |
| SiteUrl | String | Yes |  |
| Client Code | String | Yes | The company name or Unique code to identity client in the company site |
|  |  |  |  |

Depend on business requirement, we may add some extra field to hold Client Information such as Address, Phone Number, and Contact …..

* 1. CA Admin table

|  |  |  |  |
| --- | --- | --- | --- |
| User | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Username | String | Yes | User name to login to CA |
| Email | String | Yes | Email or user to receive email/reset password |
| Password | String | Yes | User password storage as hash using SHA-256 Algorithm |
| Role | String | Yes | There use will have 3 roles, CA Admin; Company Admin |
|  |  |  |  |

* 1. Client components table

|  |  |  |  |
| --- | --- | --- | --- |
| ClientService | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Client | Dropdown | Yes | Select from client table |
| Components | Multiple Checkbox | Yes | Select modules that current client using:  Core Module  HR  CRM  ……. |
|  |  |  |  |

1. InterBlock

|  |  |  |  |
| --- | --- | --- | --- |
| HR Company Directory | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Employee ID | String | Yes | Eyyyymmddhhmmss of creation date and time  Auto-generated |
| First Name | String | Yes |  |
| Last Name | String | Yes |  |
| Full Name | String | Yes |  |
| Date of Birth | Date | Yes | Display a calendar  Also allow entering dd/mm/yyyy |
| Job Title | String | Yes |  |
| Department | Dropdown | Yes | Finance, Human Resource, Management  Marketing, Sales |
| Line Manager | Dropdown | Yes | Select from CRM Company table |
| ​Employment Status | Dropdown | Yes | Current, Fired, Resigned |
| ​Effective Date | Date | Yes |  |
| Mobile Number | String | Yes |  |
| Direct Phone Number | String | Yes |  |
| Email Address | String | Yes |  |
| Home Address | String | Yes |  |

|  |  |  |  |
| --- | --- | --- | --- |
| CRM Company | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Customer ID | String | Yes | Cyyyymmddhhmmss of creation date and time  Auto-generated |
| Company Name | String | Yes |  |
| Industry | Dropdown | Yes |  |
| Website | String | Yes |  |
| Phone Number | String | Yes |  |
| Fax Number | String | Yes | Allow adding multiple phone numbers |
| Company Email Address | String | Yes |  |
| Company Address | String | Yes |  |
| ​Source | Dropdown | Yes |  |
| ​Assigned to | Dropdown | Yes | Select from Sales Department in HR Company Directory |
| Lead Type | Dropdown | Yes | Customer, Invalid, Potential |

|  |  |  |  |
| --- | --- | --- | --- |
| PM3 Project | | | |
| Property | **Type** | **Required** | **Description** |
| Id | Number | Yes | ID, Auto generate |
| Project Name | String | Yes |  |
| Priority | Dropdown | Yes | High, Medium, Low |
| Start Date | Date | Yes |  |
| Due Date | Date | Yes |  |
| Actual Completion Date | Date |  |  |
| Project Manager | Number | Yes | Users who have access to PM3 |
| % Complete | Number |  | Calculate the % based on the % Complete of all tasks in 1 Project  Formula: =sum(%Complete of all tasks)/ number of tasks |
| Project Status | Dropdown | Yes |  |
| ​RAG Status | Dropdown | Yes |  |