Web Api Endpoints:-

[HttpGet]:- api/Request

[HttpGet]:- api/Request/{Request\_ID}

[HttpPost] :- api/Requests

[HttpPut] :- api/Requests/{Request\_ID}

[HttpPut]:-api/Request/{Request\_ID}?isActive={True,False}

Database Design:

CREATE TABLE [dbo].[tblLogin] (

[l\_id] INT NOT NULL IDENTITY(1,1),

[Username] VARCHAR (50) NULL,

[Password] VARCHAR (50) NULL,

[UserType] VARCHAR (50) NULL,

CONSTRAINT [PK\_tblLogin] PRIMARY KEY CLUSTERED ([l\_id] ASC)

);

|  |  |  |
| --- | --- | --- |
| Login\_id | INT | Primary Key |
| Username | VARCHAR |  |
| Password | VARCHAR |  |
| UserType | VARCHAR |  |

CREATE TABLE [dbo].[tblRegistration] (

[emp\_id] INT NOT NULL IDENTITY(1,1),

[FirstName] VARCHAR (50) NULL,

[LastName] VARCHAR (50) NULL,

[Age] INT NULL,

[Gender] VARCHAR (50) NULL,

[Address] VARCHAR (100) NULL,

[PhoneNo] INT NULL,

[l\_id] INT NULL,

[role\_id] INT NULL,

CONSTRAINT [PK\_tblRegistration] PRIMARY KEY CLUSTERED ([emp\_id] ASC),

CONSTRAINT [FK\_tblLogin\_tblRegistration] FOREIGN KEY ([l\_id]) REFERENCES [dbo].[tblRegistration] ([emp\_id]),

CONSTRAINT [FK\_tblRoles\_tblRegistration] FOREIGN KEY ([role\_id]) REFERENCES [dbo].[tblRegistration] ([emp\_id])

);

|  |  |  |
| --- | --- | --- |
| Emp\_id | int | Primary key |
| Firstnmae | Varchar |  |
| lastname | Varchar |  |
| Age | Int |  |
| Gender | Varchar |  |
| Address | Varchar |  |
| Phone Number | Int |  |
| Login\_id | Int | Foreign key |
| Role\_id | int | Foreign key |

CREATE TABLE [dbo].[tblProject] (

[project\_id] INT NOT NULL IDENTITY(1,1),

[ProjectName] VARCHAR (100) NULL,

CONSTRAINT [PK\_tblProject] PRIMARY KEY CLUSTERED ([project\_id] ASC)

);

|  |  |  |
| --- | --- | --- |
| Project\_id | int | Primary key |
| Project Name | varchar |  |

CREATE TABLE [dbo].[tblRequest] (

[request\_id] INT NOT NULL IDENTITY(1,1),

[cause\_travel] VARCHAR (100) NULL,

[source] VARCHAR (100) NULL,

[destination] INT NULL,

[mode] VARCHAR (100) NULL,

[from\_date] DATE NULL,

[to\_date] DATE NULL,

[no\_days] INT NULL,

[priority] VARCHAR (20) NULL,

[project\_id] INT NULL,

[emp\_id] INT NULL,

[status] VARCHAR (200) NULL,

CONSTRAINT [PK\_tblRequest] PRIMARY KEY CLUSTERED ([request\_id] ASC),

CONSTRAINT [FK\_tblProject\_tblRequest] FOREIGN KEY ([project\_id]) REFERENCES [dbo].[tblRequest] ([request\_id]),

CONSTRAINT [FK\_tblRegistration\_tblRequest] FOREIGN KEY ([emp\_id]) REFERENCES [dbo].[tblRequest] ([request\_id])

);

|  |  |  |
| --- | --- | --- |
| Request id | int | Primary key |
| Cause travel | varchar |  |
| Source | Varchar |  |
| Destination | Int |  |
| Mode | Varchar |  |
| From date | Date |  |
| To date | Date |  |
| No days | Int |  |
| Priority | Varchar |  |
| Project id | Int | Foreign key |
| Emp id | Int | Foreign key |
| status | varchar |  |

CREATE TABLE [dbo].[tblRoles] (

[role\_id] INT NOT NULL IDENTITY(1,1),

[role\_type] VARCHAR (50) NULL,

CONSTRAINT [PK\_tblRoles] PRIMARY KEY CLUSTERED ([role\_id] ASC)

);

|  |  |  |
| --- | --- | --- |
| Role id | Int | Primary key |
| Role-type | varchar |  |