

# **Create an MVC Application to Manage Data for School Application**

Creating an MVC application to manage data for a school application involves several steps. Below, is a step-by-step guide to creating the project:

## **Create an ASP.NET MVC Project**

Create a new ASP.NET MVC project.

Design the Schema

Review the schema designed for the school database in Model Class.

## **Create Models**

Ensure that we have three tables which are defined by the models: Student\_Class, Subject\_, and Class\_ with the appropriate columns and relationships defined.

Add properties to these classes to match the columns in the respective tables. We can reuse the model classes created earlier.

## **Create Controllers**

Right-click on the "Controllers" folder in our project.

Select "Add" > "Controller..."

Choose "MVC 5 Controller with views, using Entity Framework" and click "Add."

Select the model class (e.g., Student) and configure the controller actions for CRUD operations.

## **Create Views**

In the Controllers folder, we will find auto-generated views for CRUD operations.

We will customize these views as needed to provide a user-friendly interface for adding, editing, deleting, and viewing records.

## **Implement CRUD Operations**

In the controller actions (e.g., Create, Edit, Delete), write code to interact with the database using Entity Framework.

## **Testing**

Run the application to test CRUD operations.

Ensure that we can create, read, update, and delete records in the Student\_Class, Subject\_, and Class\_ tables.

## **Push to GitHub**

Once we are satisfied with the changes, we commit them using Git and push to our GitHub repository. This will track our SQL scripts.

```
git init
```

```
git add .
```

```
git commit -m "Creating a MVC-Application---Project-23Nov"
```

```
git branch -M main
```

```
git remote add origin "https://github.com/bandikedivya/MVC-Application---Project-23Nov.git"
```

```
git push -u origin main
```