

# Assignment

## Introduction:

The applicants are requested to develop a web application for tracking expenses in different categories. To develop the **Expense Tracker** application applicants must use the following technologies and approach:

- ASP.NET Core MVC.
- ASP.NET Core Framework 3.5 or 5.
- Entity Framework Core.
- MS SQL server.
- C# Programming Language.
- Bootstrap 4 or 5 CSS Framework.
- Code-First approach of system development.

Through this assignment following ability will be checked:

- How efficiently an applicant can follow instructions.
- Efficiency in C# Programming.
- Efficiency in ASP.NET Core Framework, MVC Framework and Entity Framework Core.
- Efficiency in Code-First development approach.
- Mastery in SQL Server.
- Mastery in Relational Database Management System concept.

## Application Requirements

You are requested to develop an **Expense Tracker** system that can record daily expenditure in different categories. Following are your requirements:

### Expense Category:

User should be able to create their different expense categories. Example of expense categories are "House Rent", "Water Bill", "Electric Bill", "Groceries", "Uber", "Medications" etc. Each expense category must be unique, and system must prevent user to create a duplicate category. User should be able to see all expense categories and able to edit or delete any specific category.

### Expenses:

Through this function user will record their daily expenses. To record an expense user will select the expense category, date of the expense, and type the expense amount. In expense amount field user will only be able to type integer or decimal numbers. System will prevent user to record any expenditure in future date. User should be able to see expenses between two dates and able to edit or delete a particular expense entry.

## How to Submit?

Upload your complete and tested code in your GitHub account and share the link in emails [writetopulak@gmail.com](mailto:writetopulak@gmail.com) and [aninda@excelbd.com](mailto:aninda@excelbd.com) . In GitHub, you must have a read me document that will guide how to access the different features of your application. You must share your code link through email by **FRIDAY [December 03, 2021] 5:00 PM.**