**Task Result**

**Eingesetzte Technologien / Frameworks**

I use the following technologies / frameworks in my project:

* ASP.NET MVC 5/C#
* JavaScript / jQuery
* CSS/Bootstrap
* Chart js. library
* DataTables js. Library/DataTables CSS library
* ASP.NET MVC is the tehnology that I feel most confortable with for building Web based applications,mostly because of Razor pages that I really enjoy using. The flow betwee model, view and controller is very smooth and is a framework that is easy to learn. The C# language is the programming language that I know the best,this being another reason for choosing ASP.NET. Also I think that Microsoft Visual Studio is the most advanced IDE on the market,one that I realy enjoy using.
* I used JQuery in order to call the methods from the controller which extracts the processed data from the CSV, data that are used by the Chart js library to render the graph.  
  It’s a complex framework that offers a lot of optimised functionalities,it works very well with ASP.NET, JQuerry being already integrated in the framework as attached libraries.
* Bootstrap is in my opinion one of the best CSS frameworks on the market, it saves a lot of time and css code, while working with this framework I have to write little to no css code.
* I used Chart.js for creating the graph in the application.Is an easy to work with framework,it fits well with JQuerry and offers multiple options for creating a graph with minimum change of code. Graphs are also dynamic and can be integrated in canvas elements.
* I used DataTables framework to create the table in the application. Is a framework that offers all the basic functionalities of a table: searching, sorting, statistics regarding the number of records.

**Used 3rd Party Libraries**

I use the following 3rd party libraries in my project:

| **Name** | **Reason** |
| --- | --- |
| [Charts.js](https://www.chartjs.org/) | For displaying the graph |
| [Bootstrap](https://getbootstrap.com/) | Designed the buttons,form,table |
| [DataTables JS](https://datatables.net/) | Used for making the Table dynamic |
| [DataTables CSS](https://datatables.net/) | Used for rendering the Table |
| [JQuerry](https://jquery.com/) | Used for calling the ASP controller methods |

**Installation / Run**

The following components must be installed locally:

* .NET Framework 4.7.1
* ASP.NET MVC 5
* IIS SERVER
* Visual Studio 2019

Installation:  
Make sure you have all the components intalled.  
Clone the following repository : <https://github.com/avadaneid/CSV_Project>  
Run the application.  
I run the application at : <https://localhost:44373/Main/Main>  
  
If you have any issues to run the application please e-mail-me : avdn18@yahoo.com