### Assumptions:

The server-side endpoint /Home/SortOrder accepts POST requests for sorting data.

### Decisions:

The dataType option indicates that JSON is expected in the response, and the contentType option is configured in the AJAX call to specify that JSON data is being sent to the server. This choice guarantees consistent JSON-formatted data exchange between the client and server.

### Assumptions:

XML data is a suitable format for passing structured data to the stored procedure.

### Decisions:

Invalid XML format, missing elements, or inconsistent data are some examples of errors that can arise during XML extraction and manipulation within a stored procedure. The choice to deal with such errors guarantees the database environment's XML data processing to be robust and reliable.

### Assumptions:

Users may require the ability to export data in JSON format.

### Decisions:

To create a link for data export, the code makes use of the anchor tag helper that ASP.NET Core provides (asp-action="Export" asp-controller="Home"). This choice makes use of pre-built features and enhances maintainability by applying common ASP.NET Core conventions.

### Assumptions:

The choice to use bubble sort indicates a preference for simplicity over efficiency.

### Decisions:

Instead of relying on the built-in Array.Sort() method provided by .NET. The code replaces the previously used quicksort algorithm with bubble sort for sorting the array of integers. Bubble sort is straightforward to implement and understand, making it suitable for scenarios where simplicity is prioritized over performance.

### Assumptions:

User input for sorting consists of integers separated by commas.

### Decisions:

The code dynamically hides/shows sorting direction labels (Asending and Descending) based on the state of the sorting checkbox. This decision ensures that the UI reflects the user's selection and provides clear visual indication of the sorting direction being applied.

### Assumptions:

Checkbox state determines the sorting order (ascending or descending).

### Decisions:

The JavaScript code dynamically displays the sorted array based on the user's input and sorting direction. This decision allows for real-time feedback to the user, enhancing the interactive nature of the application.