All the Functionality will have 50 points

Website:

Total Points:

1. Create two views (37 points)
   1. **First view table and chart**, **chart shows companies that are out of service**.  **(18.5 points)**
2. Data in the **table** should be **editable**
3. Cells should **have data validation** e.g. datetime fields can only accept date-time inputs
   * So you can’t put characters in date fields
   * Can’t put number in character fields
   * Can’t put characters in numbers field
   * Etc….
4. Data in the **table** should be saved after closing the browser
5. chart that updates as the table changes.

**-Bar graph must be table filters aware. E.g. if user filters for entity\_type="CARRIER", the chart should only account for entity\_type="CARRIER" records**

1. **Chart shows companies that are out of service**.
2. Column filters
   * Filter for **each** column that has operators (contains, equals to,….) , it shows all values of specific column, etc….
3. Ability to customize the columns **size** displayed
   * This means you can click and hold to change size
4. Ability to customize column order
   * This means you can change the order of columns (maybe drag n drop or using any other way)
   * Can you hide/show certain columns in table (additional option**)**
   * Can you hide/show ALL columns in table (additional option**)**
5. Search: searching should show whatever you are searching for.
6. Pagination
   * By arrows
   * By pages and arrows (additional option)
7. Sorting:
   * Can you sort (ASC, DEC) table
   1. **Second view is a pivot table and pivot chart**, **chart shows companies that are out of service**.  **(18.5 points)**
   2. Data in the **table** should be **editable**
   3. Cells should **have data validation** e.g. datetime fields can only accept date-time inputs
      * 1. So you can’t put characters in date fields
        2. Can’t put number in character fields
        3. Can’t put characters in numbers field
        4. Etc….
   4. Data in the **table** should be saved after closing the browser
   5. Pivot table version of the table
      * **Datetime** groupable by **year/month/week**
   6. Pivot chart should sync with the pivot table
   7. **Chart shows companies that are out of service**.
   8. Column filters
      * Filter for **each** column that has operators (contains, equals to,….) , it shows all values of specific column, etc….
   9. Ability to customize the columns **size** displayed
      * This means you can click and hold to change size
   10. Ability to customize column order
       * This means you can change the order of columns (maybe drag n drop or using any other way)
       * Can you hide/show certain columns in table (additional option**)**
       * Can you hide/show ALL columns in table (additional option**)**
   11. Search: searching should show whatever you are searching for.
   12. Pagination OR it’s inside it’s own table
       * By arrows
       * By pages and arrows (additional option)
   13. Sorting:
       * Can you sort (ASC, DEC) table
8. App should remember the user’s table setup until **cache** is cleared (2.5 points)
9. Extra modal that allows savings and loading views/templates **(save/load button) (2.5 points)**
10. Ability to reset table setup settings to default **(reset button, clears table settings) (2 points)**
11. Allow generating **share links** where if another user clicks the share link, they see **the same table format and data as you** (6 points, this is a total and won’t be divided so any mistake takes them all)

**Functionality**

1. Functionality of each requirement
2. Cache (cookies and local storage)
3. Links (links that lead you to a different page when clicking on it)
4. Database validation (any changes will be saved)
5. E2E flows
6. Console errors