All the UI will have 50 points

Website:

Total points:

1. Create two views (20 points)
   1. One view is a table and chart that updates as the table changes, **chart shows companies that are out of service.** (10 points)

**Visual Test:** (5 points)

-Check if the contrast of table and chart are matching with page

-Chart is a bar type chart

-Table and chart are aligned correctly

-Text is visible and clear on both table and chart

-Text size is consistent

**Usability test**: (5 points)

-Check if you can navigate **to** and **through** table and chart easily. (which means can you see fields easily, check scroll bar for example)

* 1. Second view is a pivot table and pivot chart that updates as the table changes, **chart shows companies that are out of service**. (10 points)

**Visual Test:** (5 points)

-Check if the contrast of table and chart are matching with page

-Chart is a bar type chart

-Table and chart are aligned correctly

-Text is visible and clear on both table and chart

-Text size is consistent

-Is there is any place holder text

**Usability test:** (5 points)

-Check if you can navigate **to** and **through** table and chart easily. (which means can you see fields easily, check scroll bar for example)

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**In the following steps simply check if these fields are there or not, any fields missing fields or extra fields add will subtract a point each.**

**This will be tested on Different browsers and devices**

Include all data from the data file: (15 points) **(Content test)**

1. **Table and chart (5 points)**
   1. **Created DT**
   2. **Modified DT**
   3. **Entity type**
   4. **Operating Authority Status**
   5. **Legal Name**
   6. **DBA Name**
   7. **Physical address**
   8. **Phone**
   9. **USDOT number**
   10. **MC/MX/FF Number(s)**
   11. **Power Units**
   12. **Out of service date**
   13. USDOT Status
   14. State carrier ID number
   15. mailing address
   16. Drivers
   17. MCS-150 Mileage Year
   18. DUNS Number
2. Validity of data (if data is correct or not) (2.5 points)
3. **Pivot and chart (5 points)**
   1. Year
   2. Month
   3. Week
   4. Created DT
   5. Modified DT
   6. Entity type
   7. Operating Authority Status
   8. Legal Name
   9. DBA Name
   10. Physical address
   11. Phone
   12. USDOT number
   13. USDOT Status
   14. State carrier ID number
   15. MC/MX/FF Number(s)
   16. Power Units
   17. Out of service date
   18. mailing address
   19. Drivers
   20. MCS-150 Mileage Year
   21. DUNS Number
4. Validity of data (if data is correct or not) (2.5 points)

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**-In the following steps simply check if these fields are there or not, any fields missing fields or extra fields added will subtract a point each.**

**-Each point will be evaluated based on usability as well.**

**-This will be tested on Different browsers and devices**

**3-Existence Functions:** (15 points)

1. **Table** (7.5 points)
   1. Pagination (must have pages and arrows) (2 point)
   2. Column filters (1.5 point)
   3. Sorting (1.5 point)
   4. Search (1.5 point)
   5. Format data fields as appropriate (1 point)
      1. Date Formatting: Ensuring dates are in a consistent format, like MM/DD/YYYY or DD/MM/YYYY.
      2. Number Formatting: Adjusting numbers to include commas for thousands, setting decimal places, or converting to currency format.
      3. Text Formatting: Capitalizing names, ensuring consistent use of abbreviations, or removing unnecessary spaces.
      4. Data Type Conversion: Converting data to the correct type, such as changing a string to a number or date.
      5. Standardization: Ensuring that all entries follow a consistent pattern, such as using the same units of measurement or consistent naming conventions.
2. Pivot (7.5 points)
   1. Pagination (must have pages and arrows) (2 point)
   2. Column filters (1.5 point)
   3. Sorting (1 point)
   4. Search (2 point)
   5. Format data fields as appropriate (1 point)
      1. Date Formatting: Ensuring dates are in a consistent format, like MM/DD/YYYY or DD/MM/YYYY.
      2. Number Formatting: Adjusting numbers to include commas for thousands, setting decimal places, or converting to currency format.
      3. Text Formatting: Capitalizing names, ensuring consistent use of abbreviations, or removing unnecessary spaces.
      4. Data Type Conversion: Converting data to the correct type, such as changing a string to a number or date.
      5. Standardization: Ensuring that all entries follow a consistent pattern, such as using the same units of measurement or consistent naming conventions.

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**This will be tested on Different browsers and devices**

On **each** of the previous requirements you will test:

**UI/aesthetics:**

1. Content and Visuals:
   * Is the text clear
   * Text size
   * Is there is any place holder text
   * Color contrast
   * Any buttons overlaying others
   * Missing content
2. Cross-Browser: Chrome, Firefox, Edge
3. Cross-Device: Phones, tablets (android and IOS)
4. Usability test:
   * Is the website simple or complex
   * Is the website easy to navigate