

Student Results Table Creation Using HTML5, CSS3, RWD and JavaScript

Desktop Version

Student Progress Report

Class

Class 10

Performance Level

Select Level

Get Report

Class Results

STUDENT NAME	RANK	PERFORMANCE LEVEL	MID 1 SCORE OUT OF 600	MID 2 SCORE OUT OF 600	FINAL SCORE OUT OF 600
Student 1	4	45% Below-Level	286	250	312
Student 2	3	45% Below-Level	345	382	412
Student 3	1	75% Above-Level	456	422	487
Student 4	2	67% On-Level	365	402	412
Student 5	2	87% Above-Level	375	405	500
Student 6	2	65% On-Level	475	482	498

iPad – Tab Version

Student Progress Report

Class

Class 10

Performance Level

Select Level

Get Report

Class Results

STUDENT NAME	RANK	PERFORMANCE LEVEL	MID 1 SCORE OUT OF 600	MID 2 SCORE OUT OF 600	< >
Student 1	1	45% Below-Level	286	250	
Student 2	1	45% On-Level	345	382	
Student 3	1	75% Above-Level	456	422	
Student 4	2	67% On-Level	365	402	
Student 5	2	67% Above-Level	375	405	
Student 6	2	85% On-Level	475	482	

Layout Specification:

Title:

- Add title using H1 tag.

Style guild:

```
font-family: Saira;  
font-style: normal;  
font-weight: bold;  
font-size: 44px;  
line-height: 48px;  
text-align: center;  
letter-spacing: -0.5px;
```

Dropdowns:

- Create dropdowns by using select element and populate with using sample JSON data.
<http://jsonblob.com/922837073522868224>

Style Guide:

```
height: 40px;  
width: 212px;  
font-family: noto-sans;  
font-style: normal;  
font-weight: 400;  
font-size: 14px;
```

Buttons:

- Create button by using input/button element.

Style Guide:

```
height: 40px;  
width: 128px;  
font-family: noto-sans;  
font-style: normal;  
font-weight: 400;  
font-size: 14px;  
background: #009DD1;  
color: #ffffff;
```

Table:

- Use CSS 3 flexbox to create Grids and columns and populate with sample JSON data.
<https://jsonblob.com/922847334786940928>

Style Guide:

- ```
width: 1030px;
height: 508px;
- For iPad version
 width: 800px;
 height: 464px;
font-family: noto-sans;
font-style: normal;
font-weight: 400;
font-size: 13px;
background: #009DD1;
color: #ffffff;
- Header column text font weight
 font-weight: bold;
 text-transform: uppercase;
- Odd rows background color
 background: #F4F4F4;
- Performance column circle colours
 Below-level
 background: #C6382F;
 on-level
 background: #EE6B00;
 on-level
 background: #149690;
```

## JS Interactions:

### Use Case 1: Dropdown feature.

- Populate dropdown values by using mock json.
- Set Class dropdown default value to Class 10.
- Based on the user selection of Class and Performance Level filters, table should populate with appropriate data. once user clicks on the Get Report button.
- When user selects Class dropdown performance dropdown should reset to initial state.

### Use Case 2: Table features Desktop/iPad:

- Render table by using mock json.
- Add sort feature to student name column.
- Add background color to odd rows.
- When user switch to iPad version, table should hide the last column and add the arrows feature to view the hide column.

### Edge Case / Good to have feature:

- While using arrow keys to move columns left to right or vice versa. The first column should be sticky/fixed.

Note: if the expected font family not available please consider **sans-serif**