

Frontend UI Project: Lorem Ipsum Website Interface

Session Overview

Today we will create a frontend UI project named **Lorem Ipsum Website Interface**. This session will focus on basic frontend concepts suitable for Class 8 students.

Topics Covered:

1. Fonts and Font Styles

- How to apply different fonts in your webpage.
- Custom fonts using Google Fonts.

```
<link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap"
      rel="stylesheet">
<p style="font-family: 'Roboto', sans-serif;">This is Roboto font.</p>
```

2. Classes and IDs

- **Class:** Used to style multiple elements.
- **ID:** Used to style a unique element.

```
<p class="text-primary">This is a paragraph with a class.</p>
<p id="unique-text">This is a paragraph with an ID.</p>
```

3. Parent and Child Elements

- Parent contains child elements.

```
<div class="parent">
  <div class="child">Child 1</div>
  <div class="child">Child 2</div>
</div>
```

4. Div Tag

- Div is a container used to group content.
- Structure example:

```
<div class="container">  
  <div>Child Div 1</div>  
  <div>Child Div 2</div>  
</div>
```

5. Float Property

- Float allows elements to align left or right.

```
<div style="float: left; width: 50%;">Left Div</div>  
<div style="float: right; width: 50%;">Right Div</div>
```

6. Width Property

- Sets the width of elements.

```
<div style="width: 300px; background-color: lightblue;">Width Example</div>
```

7. Additional Suggestions for Students

- Background colors and text colors.
- Padding and margin for spacing.
- Borders to highlight elements.
- Using simple layout techniques to organize content.
- Practicing combining all properties in a small project.

8. Summary

- Learned how to use fonts and custom fonts.
- Difference between class and ID.
- Understanding parent-child relationships.
- Using div, float, width, and basic styling.
- Applied concepts to build a simple webpage interface.