

## Notes For Fylo Project

Different background svgs for d/f modes.

In this we will create some custom classes in config file



```
1  module.exports = {
2    content: ['./*.html'],
3    darkMode: 'class',
4    theme: {
5      extend: {
6        colors: {
7          darkBlue: 'hsl(217, 28%, 15%)',
8          darkBlue1: 'hsl(218, 28%, 13%)',
9          darkBlue2: 'hsl(216, 53%, 9%)',
10         darkBlue3: 'hsl(219, 30%, 18%)',
11         accentCyan: 'hsl(176, 68%, 64%)',
12         accentBlue: 'hsl(198, 60%, 50%)',
13         lightRed: 'hsl(0, 100%, 63%)',
14       },
15       fontFamily: {
16         sans: ['Raleway', 'sans-serif'],
17         opensans: ['Open Sans', 'sans-serif'],
18       },
19       backgroundImage: (theme) => ({
20         'logo-dark-mode': "url('../images/logo-dark-mode.svg')",
21         'logo-light-mode': "url('../images/logo-light-mode.svg')",
22         'curvy-dark-mode': "url('../images/bg-curvy-dark-mode.svg')",
23         'curvy-light-mode': "url('../images/bg-curvy-light-mode.svg')",
24       }),
25     },
26   },
27   variants: {
28     extend: {
29       backgroundImage: ['dark'],
30     },
31   },
32   plugins: [],
33 }
```

Explanation of this file:

## 1. module.exports

Yeh main object hai jo Tailwind ki configuration define karta hai. Is file ke through Tailwind ko batate hain ke kya customize karna hai.

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## 2. content: ['./\*.html']

- **Purpose:** Yeh Tailwind ko batata hai ke kaunse files scan karni hain classes dhoondhne ke liye.
  - **Example:** Agar HTML files me bg-red-500 ya text-lg likha hoga, Tailwind sirf un classes ke liye CSS banayega.
  - **Yahan:** Sab root folder ke .html files ko scan karega.
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## 3. darkMode: 'class'

- **Purpose:** Yeh dark mode ka feature enable karta hai.
- **Kaise kaam karta hai:**
  - darkMode: 'class' ka matlab hai ke jab dark class kisi element ya <html> tag pe lagayenge, to dark mode ka style apply hoga.
  - Example:

```
<html class="dark">
  <body class="bg-darkBlue text-white">
    Dark Mode Active!
  </body>
</html>
```

## 4. theme.extend

Is section me aap Tailwind ke default styles ko extend karte ho. Yahan custom colors, fonts, ya images add kiye gaye hain:

### a) colors

- Custom colors define kiye gaye hain jo aapke design me use honge.
- Example:

```
text-darkBlue      -> hsl(217, 28%, 15%)
bg-accentCyan      -> hsl(176, 68%, 64%)
border-lightRed    -> hsl(0, 100%, 63%)
```

## b) fontFamily

- Do custom fonts add kiye gaye hain: `Raleway` aur `Open Sans`.
- Example:

```
html


<p class="font-sans">This uses Raleway font.</p>
<p class="font-opensans">This uses Open Sans font.</p>
```

## c) backgroundImage

- Background images define kiye gaye hain jo dark aur light mode ke liye alag hain.
- Example:

```
css

bg-logo-dark-mode -> ../images/logo-dark-mode.svg
bg-curvy-light-mode -> ../images/bg-curvy-light-mode.svg
```

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## 5. variants.extend

- Tailwind ke existing variants ko extend karte hain.
- Yahan `backgroundImage` ko `dark` variant ke saath enable kiya gaya hai.
- Example:

```
html

<div class="dark:bg-logo-dark-mode bg-logo-light-mode">
  Background will change with dark mode!
</div>
```

`backgroundImage: (theme) => ({ 'logo-dark-mode': "url('../images/logo-dark-mode.svg')", 'logo-light-mode': "url('../images/logo-light-mode.svg')", 'curvy-dark-mode': "url('../images/bg-curvy-dark-mode.svg')", 'curvy-light-mode': "url('../images/bg-curvy-light-mode.svg')", },)`, ye wala smjh me nahi aya ! kia ye custom class ha??

**ChatGPT said:**

ChatGPT

Nahi, yeh **custom Tailwind utility classes** ban rahi hain, jo background images ke liye use hongy. Chalo step by step samjhata hoon:

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## Explanation

### 1. Background Image Customization

- backgroundImage Tailwind CSS ka ek built-in utility hai jo background images ko handle karta hai.
- Default me Tailwind sirf kuch predefined background patterns ke liye support deta hai (like gradients).
- Is line me, hum apni **custom background images** define kar rahe hain.

## 2. theme Parameter

- theme ek function ke andar pass ho raha hai.
- Yeh Tailwind ki existing configurations (like colors, spacing, etc.) ko access karne ke liye hota hai.
- Hum yahan theme ko customize nahi kar rahe, sirf custom images add kar rahe hain.

## Custom Background Images

Is code ke andar humne kuch custom background images define ki hain. Har key (like `'logo-dark-mode'`) ek custom class ko represent karti hai, aur uska value ek image URL hai.

javascript

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```
backgroundImage: (theme) => ({
  'logo-dark-mode': "url('../images/logo-dark-mode.svg')",
  'logo-light-mode': "url('../images/logo-light-mode.svg')",
  'curvy-dark-mode': "url('../images/bg-curvy-dark-mode.svg')",
  'curvy-light-mode': "url('../images/bg-curvy-light-mode.svg')",
}),
```

## What Happens Here?

### 1. Custom Classes Generate Hogi:

- Yeh Tailwind ke through **new utility classes** banayega:
  - bg-logo-dark-mode
  - bg-logo-light-mode
  - bg-curvy-dark-mode
  - bg-curvy-light-mode

### 2. How You Use It:

- Aap apni HTML me yeh classes lagake background images ko apply kar sakte ho.
-

```
<div class="bg-logo-dark-mode h-64 w-64">
  Yeh element ka background logo-dark-mode.svg hoga.
</div>
<div class="bg-curved-light-mode h-64 w-64">
  Yeh element ka background bg-curved-light-mode.svg hoga.
</div>
```

## Dynamic Dark Mode Support

- `group-hover:border-b group-hover:border-blue-50` yahan ek aur class hai.

Agar dark mode enable hai (`dark` class add hoti hai), to hum alag images use kar sakte hain.

Example:

```
html
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<div class="dark:bg-logo-dark-mode bg-logo-light-mode h-64 w-64">
  <!-- Dark mode me Logo-dark-mode.svg hoga, aur Light mode me Logo-light-mode.svg. -->
</div>
```

## Custom Class Nahi, Utility Extension Hai

Yeh classes Tailwind ke default background utilities ko **extend** kar rahi hain, aur custom images add kar rahi hain.

Iska fayda hai ke:

- Aap background images ko `bg-[classname]` ke saath directly use kar sakte hain.
- Images dark aur light mode ke saath dynamic ho sakti hain.

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JS to check mode in local storage and in our machine!

```
<script>
  if (
    localStorage.getItem('color-theme') === 'dark' ||
    (!('color-theme' in localStorage) &&
      window.matchMedia('(prefers-color-scheme: dark)').matches)
  ) {
    document.documentElement.classList.add('dark')
  } else {
    document.documentElement.classList.remove('dark')
  }
</script>
```