

# Mohd Sharjeel - What I Built for This Project

\*\*My Role\*\*: UI/UX Designer

\*\*Project\*\*: School Activity Booking System

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## Quick Summary - What I Did

\*\*In Simple Words\*\*: I made the website look beautiful and easy to use.

\*\*Think of it like this\*\*:

- The others built the engine and wheels (Code)
- I painted the car, put in comfortable seats, and designed the dashboard (Design)
- I made sure it looks good on your phone AND your laptop

\*\*My Main Jobs\*\*:

- Choosing colors and fonts (The Theme)
- Designing the dashboard (The Look)
- Making it work on mobile (Responsiveness)
- Creating cool effects (Glassmorphism)

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## Part 1: The Design System (The Theme)

### ***What I Did (Simple Summary)***

- Picked the "School Uniform" for the website
- Made sure everything matches
- Professional colors: Navy Blue, Teal, and Gold

### ***How Does It Work? (Easy Explanation)***

\*\*Imagine decorating a room\*\*:

- You don't just throw random paint on walls
- You pick a palette: "Blue walls, white furniture, gold lamps"
- Everything must match!

\*\*My Color Palette\*\*:

- ■ \*\*Navy Blue\*\*: Serious, professional, trustworthy (Like a school blazer)
- ■ \*\*Teal\*\*: Fresh, energetic, fun (Like sports activities)
- ■ \*\*Gold\*\*: Excellence, winning, stars (Like a gold star)

\*\*Why these colors?\*\*

- If I used Neon Pink and Green, it would look like a toy store.
- Navy Blue makes parents trust us with their money and kids.

### ***The Code (With Simple Explanation)***

```
:root {  
  /* I defined these once, used them everywhere */  
  --primary-color: #002E5D; /* Navy */  
  --accent-color: #0DA49F; /* Teal */  
  --gold-color: #FFB91D; /* Gold */  
}  
  
button {  
  background-color: var(--primary-color); /* Use Navy */  
}
```

\*\*Real Example\*\*:

Every button, header, and link uses these exact variables.

If I want to change Navy to Purple, I change it in ONE place,  
and the WHOLE website changes instantly!

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## Part 2: The Parent Dashboard

### ***What I Did (Simple Summary)***

- Designed the main screen parents see
- Made it easy to understand at a glance
- "How much money spent?", "How many bookings?"

### ***How Does It Work? (Easy Explanation)***

\*\*Imagine a car dashboard\*\*:

- You need to see Speed and Fuel immediately.
- You don't want to search for them.

\*\*My Dashboard Design\*\*:

1. \*\*Top Cards\*\*: Big numbers!
  - "3 Children"
  - "5 Bookings"
  - "£125 Spent"
2. \*\*Activity Cards\*\*: Look like playing cards
  - Picture of activity
  - Price tag
  - "Book Now" button

\*\*Glassmorphism (My Special Effect)\*\*:

- I made the cards look like \*\*frosted glass\*\*.
- It looks modern and expensive (like Apple/Windows 11 design).
- It sits on top of the background image.

### ***The Code (With Simple Explanation)***

```
.glass-card {  
/* The Frosted Glass Effect */  
background: rgba(255, 255, 255, 0.7); /* See-through white */  
backdrop-filter: blur(10px); /* Blur what's behind */  
border: 1px solid white; /* Shiny edge */  
box-shadow: 0 10px 20px rgba(0,0,0,0.1); /* Shadow for depth */  
}
```

\*\*Real Example\*\*:

When you look at the dashboard:

- The cards look like they are floating.
- You can slightly see the background through them.
- It feels 3D and high-tech.

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## Part 3: Mobile Responsiveness

### ***What I Did (Simple Summary)***

- Made the website shape-shift!
- Looks great on big computer screens
- Looks great on small phone screens
- It automatically adjusts (squeezes or expands)

### ***How Does It Work? (Easy Explanation)***

- \*\*Imagine water in a container\*\*:
  - Pour water in a wide tray -> It spreads out wide.
  - Pour water in a tall glass -> It becomes tall and thin.
  - The water (content) is the same, but the shape changes.
- \*\*My "Breakpoints" (Shape-shifting rules)\*\*:
  1. \*\*Big Screen (Laptop)\*\*:
    - Show 3 cards in a row.
    - [Card] [Card] [Card]
  2. \*\*Medium Screen (Tablet)\*\*:
    - Show 2 cards in a row.
    - [Card] [Card]
    - [Card]
  3. \*\*Small Screen (Phone)\*\*:
    - Show 1 card in a row.
    - [Card]
    - [Card]
    - [Card]

## ***The Code (With Simple Explanation)***

```
/* Default: Mobile Phone (1 column) */
.grid {
  grid-template-columns: 1fr;
}

/* If screen is bigger than tablet (768px) */
@media (min-width: 768px) {
  .grid {
    grid-template-columns: 1fr 1fr; /* 2 columns */
  }
}

/* If screen is bigger than laptop (1024px) */
@media (min-width: 1024px) {
  .grid {
    grid-template-columns: 1fr 1fr 1fr; /* 3 columns */
  }
}
```

\*\*Real Example\*\*:

Try this:

1. Open website on laptop -> 3 columns.
2. Shrink the window -> Snap! Becomes 2 columns.
3. Shrink more -> Snap! Becomes 1 column.

It never looks broken!

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## **Part 4: Availability Indicators**

### ***What I Did (Simple Summary)***

- Visual clues to show if class is full
- Green = Good, Red = Bad
- Progress bars showing how full it is

### ***How Does It Work? (Easy Explanation)***

- \*\*Imagine a traffic light\*\*:
  - ■ Green Light = "Available" (Lots of space)
  - ■ Yellow Light = "Filling Fast" (Hurry up!)
  - ■ Red Light = "Full" (Stop!)
- \*\*My Logic\*\*:

- If > 5 spots left -> Show Green Badge
  - If 1-5 spots left -> Show Orange Badge
  - If 0 spots left -> Show Red Badge "FULL"
- \*\*Progress Bar\*\*:**
- Like a battery meter on your phone.
  - 50% full = Bar is half filled.
  - 100% full = Bar is totally filled.

## The Code (With Simple Explanation)

```
{% if spots > 5 %}
```

```
{% elif spots > 0 %}
```

```
{% else %}
```

```
{% endif %}
```

**\*\*Real Example\*\*:**

Parent looks at "Swimming":

- Sees Orange badge "Filling Fast"
- Sees progress bar is 90% full
- Thinks: "Oh no! I better book now!"
- Clicks Book immediately.

(Good design drives action!)

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## My Contribution Summary

**\*\*Files I Created/Modified\*\*:**

1. `style.css` - The styling file (700+ lines)
2. `dashboard.html` - The layout of the main page
3. `base.html` - The master template (header/footer)

**\*\*What Each Part Does (Simple)\*\*:**

Part	What It Does	Like...
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Color Palette	Sets the mood	Interior Decorating
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Glassmorphism	Cool visual effect	Frosted Glass
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Responsive Grid	Adapts to screen size	Water changing shape
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Badges	Shows status	Traffic Lights
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Typography	Fonts text	Handwriting style
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## Why This Matters

**\*\*Without my work\*\*:**

- ■ Website would look like a boring Word document (Black text, white background)
- ■ Impossible to use on a phone (Tiny text, scrolling sideways)
- ■ Parents wouldn't trust it (Looks unprofessional/fake)
- ■ Hard to see what is booked or full

**\*\*With my work\*\*:**

- ■ Looks professional and expensive
- ■ Works on any device (Phone/Tablet/Laptop)
- ■ Easy to read and understand
- ■ Fun to use!

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