MERN Stack Training
Company: Sensation Software Solutions
Student Name: Tajinder Kaur
Training Duration: 6 Months
Days: 73

Objective of the Day

The focus of Day 73 was to implement the **Add Product feature** in the GadgetShop application, enabling admin users to submit product details to the backend and visually confirm creation on the frontend list.

Work Detailed Summary

1️⃣ Form Component Setup

- Built an **AddProductForm** component with fields for:
    - Product name
    - Category dropdown
    - Price input
    - Description textarea
    - Image URL / media input

2️⃣ Validation System

- Added validation rules for:
    - Mandatory name and price
    - Price > 0 condition
    - Non-empty category value
- Added inline error messages for incorrect input.

3️⃣ API Integration

- Connected form submission to **POST /products** endpoint.
- Passed form fields as JSON body.
- Updated UI with user feedback on success or failure.

4️⃣ UX Enhancements

- Used **shadcn/ui** & Tailwind for:
  - Labels
  - Buttons
  - Spacing
  - Consistent typography

Hands-On Practice

- Simulated multiple product additions to confirm stability.
- Compared behavior between successful requests & server-side rejections.
- Checked browser DevTools → Network to inspect request/response cycles.

Conclusion

Day 73 enabled actual data creation within the system, marking a major milestone. The Add Product feature is now **operational and tested**, enabling direct frontend-backend interaction.