

MERN Stack Training

Company: Sensation Software Solutions

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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

1 Form Component Setup

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

2 Validation System

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

3 API Integration

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

4 UX Enhancements

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