

MERN Stack Training

Company: Sensation Software Solutions

Student Name: Gurvinder Singh

Training Duration: 6 Months

Days: 69

Objective of the Day

Integrate **login/signup backend** with **React frontend forms** and test **end-to-end authentication flow**.

Key Goals:

- Connect React forms to backend endpoints.
 - Handle JWT tokens on frontend.
 - Display **dynamic error messages**.
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Work Done on Day 69

1. Created **React login and signup components**.
 2. Connected forms to backend endpoints using **fetch API**.
 3. Stored **JWT tokens** securely in frontend.
 4. Implemented **dynamic UI feedback** for errors and loading states.
 5. Verified **redirects** to homepage/dashboard after successful login.
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Frontend-Backend Integration Considerations

- Maintained **consistent request/response JSON structure**.
 - Implemented **form validation states** for smooth UX.
 - Planned **token refresh and logout flow**.
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Hands-on Practice

- Tested multiple login/signup scenarios with different users.
 - Verified proper token storage and redirect flow.
 - Checked error messages display and clear correctly on retry.
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Conclusion

Day 69 achieved **end-to-end authentication flow**, fully integrating frontend forms with backend auth logic.