

## MERN Stack Training

**Company:** Sensation Software Solutions

**Student Name:** Tajinder Kaur

**Training Duration:** 6 Months

**Days:** 68

---

## Objective of the Day

Finalize **signup functionality** with **input validation** and **duplicate user check**.

### Key Goals:

- Validate email format and password strength.
  - Prevent duplicate registrations.
  - Prepare endpoints for **frontend form integration**.
- 

## Work Done on Day 68

1. Added **email format and password validation**.
  2. Implemented **duplicate email check**.
  3. Tested backend response for **invalid input or existing users**.
  4. Standardized **response messages** for frontend handling.
- 

## Frontend-Backend Integration Considerations

- Designed **frontend error display** for validation failures.
  - Planned **React form validation states** to reflect backend errors.
  - Ensured consistency in **status codes and messages**.
- 

## Hands-on Practice

- Simulated multiple signup scenarios using Postman.
  - Verified duplicate and invalid input rejection.
  - Prepared **auth.js** for seamless **React form integration**.
-

# Conclusion

Day 68 completed **robust signup implementation**, ready for secure frontend usage.