

MERN Stack Training

Company: Sensation Software Solutions
Student Name: Gurvinder Singh
Training Duration: 6 Months
Days: 47

Objective of the Day

The objective of Day 47 was to learn **JWT (JSON Web Token)** and implement **token-based authentication**.

Work Done on Day 47

The trainer introduced **JWT** and explained how tokens are used to maintain user sessions without storing data on the server.

JWT Structure

JWT was explained as consisting of:

- Header
- Payload
- Signature

The concept of token generation and verification was discussed step by step.

Token-Based Authentication Flow

The authentication flow included:

1. User logs in
 2. Server verifies credentials
 3. Token is generated
 4. Token is sent to client
 5. Token is used for future requests
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Hands-on Practice

We practiced:

- Generating JWT tokens
 - Sending tokens in headers
 - Verifying tokens on protected routes
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Conclusion

Day 47 helped in understanding **stateless authentication**, which is widely used in modern web applications.