

MERN Stack Training

Company: Sensation Software Solutions

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Training Duration: 6 Months

Days: 30

Objective of the Day

The objective of Day 30 was to understand **API concepts and asynchronous data handling** in React, which is required for connecting frontend applications with backend services.

Work Done on Day 30

The training session started with an introduction to **APIs (Application Programming Interfaces)**. The trainer explained how frontend React applications communicate with backend servers using APIs.

The concept of **HTTP methods** was discussed:

- GET – to fetch data
 - POST – to send data
 - PUT – to update data
 - DELETE – to remove data
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Async Operations in React

The trainer explained **asynchronous programming** and introduced `fetch()` and `axios` for API calls.

Example:

```
useEffect(() => {  
  fetch("https://example.com/tasks")  
    .then(res => res.json())  
    .then(data => setTasks(data));  
}, []);
```

Learning Outcomes

- Understanding of APIs and HTTP methods
- How React fetches data from backend
- Importance of async operations in real projects

Conclusion

Day 30 built the foundation for **connecting the To-Do List app with backend data**, which is essential for real-world MERN applications.