

# Adding Middlewares for validation Pre-read



## Things I need to know before this session

We have already seen one of the important aspects of Integrity that we require in any system viz. Security - Authentication & Authorization in our previous classes. Now we will explore the correctness of information/data viz. Validation of the data for example, There must be only one user with a unique userId and unique email id. There are millions of users who concurrently access different applications. To deal with multiple users at the same time, we need to manage our system in such a robust way so that only authorised and valid users can access the application as well as we need to make sure any kind of data that is created or updated inside the app is valid.



## What will be taught in this session?

In this session, we are going to implement customised middlewares for validation of data that goes through different APIs in Movie Booking Application. We will focus on the below operations –

1. Creation of Custom middleware to validate the request body for user registration
2. Creation of Custom middleware to validate the request body for movie resource
3. Creation of Custom middleware to validate the request body for theatre resource
4. Updating existing routes with middleware validations.



## What is Validation?

Validation is the process of ensuring that data/information we are dealing with is both correct and useful. It is verified using validation rules/validation constraints that check for correctness, meaningfulness, and security of data that are input to the system. We will implement these rules as part of our middleware logic.



## How are these concepts being used in the industry for building applications?

There are multiple companies that are implementing multiple ways for Validation using their custom middlewares binding to standard validation rules.

