

# Integrate Authentication in Theatre APIs Pre-read



## Things I need to know before this session

Nowadays, we have 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 authorized users can access the application.

We also have multiple operations where we want a specific user to perform that operation.



## What will be taught in this session?

In this session, we are going to implement Authentication and Authorization of the User in Movie Booking Application. We will focus on the below operations –

- Add authentication in theatre APIs
- Add authentication and authorization on admin APIs-
  - a. Admins can Create/Update/Delete any movies.
  - b. Admins can Create/Update/Delete any movies in any theatre
  - c. Admins can Create/Update/Delete any theatres
  - d. Admin can update the details of any type of users.
- Only authenticated user should be allowed to use any other API



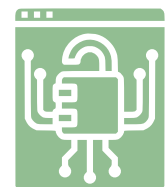
## What is Authentication?

Authentication represents the user. It recognizes the user and authenticates him to access the application. The user needs to enter a password, one-time password, credentials containing username and password, and so on.



## What is Authorization?

Authorization represents roles and permission that the user is having to access the application. There can be multiple levels of permissions that can restrict a user to access a specific part of the application. It includes read access, write access, read-write access, and so on.



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

There are multiple companies that are implementing multiple ways for Authentication and Authorization

- Adobe Sign
- Multi-Factor authentication in Netflix
- OTP Code based Authentication in Amazon

