

React With Redux Certification Training

Certification Project 1 Statement

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Project 1: Build an Online Movie Ticket Booking Web-Application using React and Redux

Background:

E-Cube is a web application, which allows user to book online tickets for latest movies, concerts and other LIVE events happening in the city. With the increase in web traffic, E-Cube's website load time increases significantly which in turn reduces the speed and performance of the website. It was earlier designed using traditional web development methodologies. Also, on adding or updating any feature, maintaining the website was difficult for the development team due to tight coupling of UI components. Hence, all these challenges led to unsatisfied user experience.

Now they want to focus on maximizing the usability and enhancing the user experience, so the company decided to upgrade their website using React library.

Goal:

The goal of this project is to build an online ticket booking application for latest movies, upcoming movies, concerts and other LIVE events.

Web Application Requirement:

JavaScript, HTML, CSS, React, Redux and Axios to call API.

Web Application Implementation:

The Web Application should include following aspects:

- 1) All Latest movies
- 2) Latest Movies Details
- 3) Ticket booking page
- 4) Final Ticket Page
- 5) All Upcoming movies
- 6) Events

<div>Search</div>		
Latest Movies	Upcoming Movies	Nearby Events
<div>◀ Movies Image Slider ▶</div>		
Recommended Movies		
<div>Movie 1</div> <div>Book</div>	<div>Movie 2</div> <div>Book</div>	<div>Movie 3</div> <div>Book</div>
<div>Movie 4</div> <div>Book</div>		

- 1) Latest Movies:
This section should contain the list of all the new movies available in the theatre.

Navbar			<div>Search</div>
Latest Movies			
<div>Movie 1</div> <div>Book</div>	<div>Movie 2</div> <div>Book</div>	<div>Movie 3</div> <div>Book</div>	

- 2) Movies Detail Page:
On clicking the movie, application should navigate the user to its details page which should include below options.

Navbar		
Movie Image	Movie Name	Released Date
	Movie Duration	
	Ratings	
Book Now		

3) Ticket Booking Page:

On clicking “Book Now” option, user should be navigated to ticket booking page which should include the below options.

Navbar
Date
Available Show Timings
Choose Number of Seats
Book

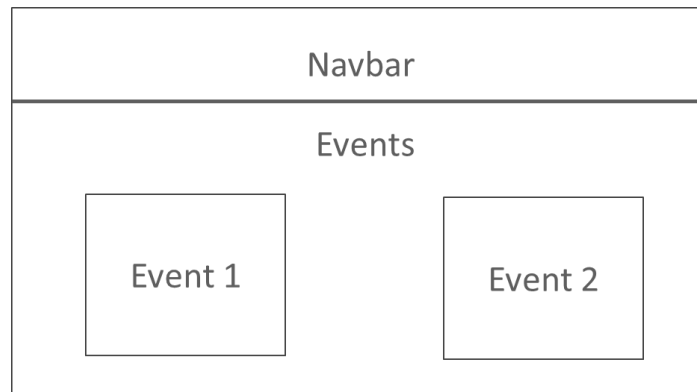
4) Final Booking Page:

After selecting the tickets, a QR code should be generated with all the booking details, which can be scanned by user’s mobile phone.

Navbar	
QR Code	Ticket Details

5) Nearby Event:

This section should have the details of events like concerts, Drama-plays, Competitions and other activities happening in the city.



- 6) You will be provided a Node.js API which will fetch the movies data (dynamic) stored in MongoDB database.
- 7) You should be able to make a call to this API from your application code using Axios.

API's to be used:

Events: <http://3.17.216.66:4000/events>

Upcoming Movies: <http://3.17.216.66:4000/upcomingMovies>

Details Page: <http://3.17.216.66/latest/5ab12612f36d2879268f284a>

Latest Movies: <http://3.17.216.66:4000/latest>