

How to display data

We've learned a ton about React so far but we're about to unlock the real power of React, namely its ability to display data through its templating system. They've called those "expressions".

LandingPage.js

Landing page currently says "Showings for today". But soon we'll allow the user to choose different days. Each time they do, we'll display the showing times for the chosen day. Our heading should reflect the day chosen.

1. First, we'll grab some data from our Redux store. Add this at the top of your function:

```
const films = useSelector(state => state.films);
const showings = useSelector(state => state.showings);
const currentDate = new Date(useSelector(state => state.currentDate))
const film = films[1] || {};
```

Obviously you're going to want to import { useSelector } from 'react-redux'.

2. Next replace the word "today" with that currentDate in an expression.
3. Run and test. Did it work? Do you know why not?
4. Add ".toString()" to the currentDate in the expression.
5. Run and test. Better now?
6. It works but it's ugly. Instead of toString(), try .toShowingDateString().²
7. Run and test. Ahh! Much better.

Now let's do the same with the film data. You've got the film data hardcoded but we want dynamic data to appear.

8. Looking through the <div> that displays some brief info about the film, What hardcoded/placeholder values should be populated from the database? (Hint: title, tagline, runtime, poster_path).
9. Replace all those with expressions.
10. Run and test. Change the films[0] to a films[1] and try again. You should see the same page but the info has changed.

FilmDetail.js

Cool, we've got some brief film data displaying in LandingPage. FilmDetail has similar data to display, just more of it. See if you can do it with less direction.

11. What you just did with the film info in LandingPage, do the same in FilmDetail but realize that there are a few more data points that you're going to want to display.

PickSeats.js

Now for PickSeats. There are some variable data that need to be put in expressions for display.

12. Find where you currently have something like this:

```
<p>Watching FILM_TITLE in THEATER_NAME on SHOWING_DATE at SHOWING_TIME</p>
```

² Remember that .toShowingDateString() was provided by the helpers function we imported in a previous lab.

13. Replace the hardcoded values with variable data in expressions.
Hint 1: Use the variables we created in a previous lab.
Hint 2: `Date.toShowingDateString()` and `Date.toShowingTimeString()`
14. We have drawn one table and one seat. Soon we'll iterate through all the tables and seats and display a bunch on the page. But for now, let's just display the table number and seat number for one table and one seat.
15. Find where it says "TABLE_NUMBER_HERE". Replace it with an expression containing the `table.table_number`.
16. Find the seat number. Replace that with an expression containing the `seat.seat_number`.