

# 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. Start by creating a variable to display.  
`const currentDate = new Date();`
2. Next replace the word "today" with that date 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().<sup>2</sup>
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. First, we'll grab a film from our Redux store. Add this at the top of your function:  
`const state = store.getState();`  
`const films = state.films;`  
`const film = films[0] || {};`  
Obviously you're going to want to import { store } from './store/store'.
9. 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).
10. Replace all those with expressions.
11. 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.

12. 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.

13. Find where you currently have something like this:

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

<p>Watching FILM\_TITLE in THEATER\_NAME on SHOWING\_DATE at SHOWING\_TIME</p>

14. 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()

15. 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.

16. Find where it says "TABLE\_NUMBER\_HERE". Replace it with an expression containing the table.table\_number.

17. Find the seat number. Replace that with an expression containing the seat.seat\_number.