Week 8: Introduction And Instructions

In **Week 8: Bad Bank Exercise,** you'll learn how to build the front end of a banking application using React. You'll get the opportunity to make decisions about routing, context, styles, parent–child components, tracking state, forms, and handling events. You'll start the week by learning about a growth mindset, which can help you frame the challenges you encounter as learning opportunities.

This week is designed to prepare you to complete your Banking Application Portfolio Project, which will involve additional refactoring of this code..

A Note On Coding

Coding activities in this course are intended to be challenging.

You'll find instructions for each activity that'll point you in the right direction, but the instructions are not meant to be a step-by-step recipe to follow. Often in order to be successful, you must make logical leaps—analyze and synthesize information on your own and incorporate information that was discussed in the videos and/or included in prior activities. Coding can be complex; it is not unusual to have to try the activity several times before you get it right. That is the way people learn to code: They "try and try again." But each time you try and fail, you learn some vital information that you can use to further refine your code.

These activities have been designed for you to apply the concepts you've learned thus far and replicate real-life scenarios that'll allow you to increasingly work independently.

Learning Outcomes

Course Learning Outcomes Addressed

- Build, test and deploy a React application
- Design and build UI components using React

By the end of this week, you will be able to:

1. Identify three ways you can learn from bugs that you encounter
2. Document your approach to troubleshooting one bug
3. Identify an example of context
4. Define routing and context
5. Identify the architecture of a single-page application
6. Build a React application
7. Explain the technical decisions you made

Activities

Key Activities

- Knowledge Checks
  - 18.1: Routing And Context
  - 18.2: Single-Page Application Architecture
- Discussions
  - Learning From Bugs With A Growth Mindset
  - What Is Context?
  - Share What You Learned From A Bug
- GitHub Portfolio Project Assignments: This week's content will prepare you for the GitHub Portfolio Project: Front End Banking Application, which will be due at the end of the Portfolio Project week.
  - Front-End Banking Application Assignment Submission
  - Share Your Front-End Banking Application

Self-Study Activities

- Bad Bank Exercise