DMIT2008 Assignment 4 Pt. A

Task: Loan Calculator Application React Update

Due: Midnight on Friday December7th, 2018

Weight: 15%

Overview

The user interface will be updated to make use of React components rather than simple JavaScript and Handlebars templates. Your instructor will guide through a mentored build of the assignment project, so attendance is mandatory for students to achieve full marks for this part of the assignment.

Expectations

Download and extract the included application zip starter package. You will begin by updating the project with the ability to compile React components to ES5 (Babel preset and required npm packages) and then systematically removing parts of the codebase that are no loner required. This code removal will take place alongside the introduction of new code and files to implement the required React components. Your updated application must demonstrate the following:

- Removal of all unnecessary code and files:
    - Essentially remove any and all trace of Handlebars from the projcet
- Implementation of a LoanList component
    - This component will replace the current display and interaction ascribed to the current render of the list of loans in the application
    - This component should render all loans currently created on the page
    - The component must also allow for clicking a loan in the list and having that loan object be rendered by the accompanying second React component, the LoanForm
- Implementation of a LoanForm component
    - This component will replace the current display and interaction ascribed to the current render the form for creating/modifying Loans in the application
    - Like the LoanList component, this component will take the place of current functionality
    - The form should support both the creation of new Loans and the modification of current existing Loans on the page

- You are solely responsible for all parts of this assignment (all JS code). If a class is missed, you will be responsible for any content missed
- Attendance will be tracked and used as a portion of the grade for this assignment. As a result, **attendance is mandatory in order to receive the highest grade on this assignment**.
- **Any other requirements as laid out by your instructor in class**

Delivery

Zip your project folder and submit it to Moodle by the deadline.
- **Do not include the node_modules/ directory in your zip package**.

Seek help if you need it. **Late submissions will not be graded.**

Grading Key

Tasks	Grade	Marks	Total
LoanList LoanList component added to project correctly • Component is correctly coded and liked to the application • Component renders appropriately, including any required data LoanList is functional • Proper event handling • Proper component update rendering		5 3	8
LoanForm LoanForm component added to project correctly • Component is correctly coded and liked to the application • Component renders appropriately, including any required data LoanForm is functional • Proper event handling • Proper component update rendering		5 3	8
Attendance • Present and actively participating in the completion of the assignment		5	5
Code Readability and Efficiency • Efficient and maintainable techniques • Code format • Well documented • Etc. Utilizes your own written code (i.e. not gathered from online sources such as StackOverflow)		-5	-5

TOTAL MARKS		21

Marking Rubric

Marks	5 Marks Criteria [minus]
5 [0]	Task was completed with the highest of proficiency, adhering to best practices, and followed subject matter guidelines. The task was completed to a professional standard.
4 [-1]	Task was completed well, with some minor mistakes. Well above average work, shows good understanding of the task, and a high degree of competence.
3 [-2]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
2 [-3]	Task completion is below average, the task was poorly completed. Shows understanding of the task and the requirements to implement, but implementation was poorly executed.
1 [-4]	Some of the task was completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-5]	Not completed.

Marks	3 Marks Criteria [minus]
3 [0]	Task was completed well, adhering to best practices, and followed subject matter guidelines.
2 [-1]	Task was completed satisfactorily. Some features are missing or incorrectly implemented. Shows a moderate level of understanding in the task with room for improvement.
1 [-2]	Some of the task was completed. Shows a lack of understanding in the subject matter and very poor execution.
0 [-3]	Shows a little to no degree of competence in completing the task; not completed.

Marks	1 Marks Criteria
1	Task completed satisfactorily
0	Task was not completed