**Summary**

The Express Banking System project aims to develop a secure, efficient, and user-friendly banking application using JavaScript. The system is designed to manage bank accounts, facilitate money transfers, and simplify the account creation process. By leveraging linear and non-linear data structures along with basic algorithms, the project enhances understanding of JavaScript and its practical applications in data management.

**Description**

**Problem Statement and Motivation**

In an era where manual banking operations are becoming increasingly inefficient and error-prone, there is a pressing need for a computerized solution. Traditional methods of managing accounts and transactions are often time-consuming and lack the scalability and security required in modern banking environments. The Express Banking System is developed to address these challenges, offering a solution that improves efficiency, accuracy, and overall customer service.

**Industry Relevance**

1. **JavaScript**: A versatile programming language used extensively for creating interactive web applications.
2. **Data Structures**: These are essential for organizing and managing data efficiently. Linear structures like arrays and linked lists, and non-linear structures such as trees, are fundamental in the development of robust applications.
3. **Algorithms**: Defined procedures for data processing and computational tasks are crucial for implementing effective and efficient functionality.

**Project Tasks**

1. **Setup Tools and Libraries**: Begin by establishing the Node.js environment, which provides the runtime for executing JavaScript code server-side. This involves setting up necessary libraries and tools for development.
2. **Develop Data Structures**: Implement core data structures:
   * **Node**: Represents a basic unit in a data structure, such as a linked list.
   * **LinkedList**: Manages a sequence of nodes, useful for storing and manipulating account data dynamically.
   * **TreeNode**: Utilized for hierarchical data organization, potentially for more complex account management scenarios.
3. **Create the Bank Class**: Develop the main class that will use the aforementioned data structures to handle various banking operations. This class will serve as the central point for managing accounts and transactions.
4. **Account Management Methods**: Add functionality to the Bank class for:
   * **Adding New Accounts**: Use account numbers and initial balances to create and store new accounts within the system.
   * **Handling Transfers and Balance Checks**: Implement methods to transfer funds between accounts and check account balances using account numbers and specified amounts.

Overall, the Express Banking System project is designed to offer a streamlined and reliable approach to managing banking operations, leveraging modern JavaScript capabilities and data structure principles.