Overview

This document outlines the steps required to create a website for splitting bills using a Node.js backend and a React frontend. The project will be set up in Visual Studio Code with the following features:

Features

1. **Split per item** according to orders of members.
2. **Input fields** for:

* Member names
* Quantity of items ordered
* Price per item

1. **Additional costs** including:

* Tax
* Shipping fees
* Service charges

1. **Overall discount** value.
2. **Total input value** representing the transaction bill.
3. **Form for payment account** input with copy functionality.
4. **Export the split results** in PDF format.

Installation Steps

1. **Set Up the Backend**:

* Create a folder named back\_split for your backend.
* Initialize a new Node.js project using npm init -y.
* Install necessary packages such as express, body-parser, mongoose, and pdfkit.
* Set up routes and models to handle the bill splitting logic.

1. **Set Up the Frontend**:

* Create a new React app using create-react-app split-bill-frontend.
* Set up components for input forms and display results.
* Integrate with the backend API using Axios or Fetch.

1. **Testing**:

* Test the application locally and ensure all features work as expected.

1. **Export Functionality**:

* Implement PDF export functionality using the pdfkit library in your backend.

Source Code

The source code for both backend and frontend will be provided in the project repository.