Instruction Manual for Laundromat Management App

Welcome to the **Laundromat Management App**! This guide will help you through how to use the app, explaining all the features step by step so you can manage your laundromat with ease.

Getting Started:

Launch the program: Run the app on your device. You'll see a welcome message followed by Main Menu.

1. Calculate the total a customer owes.
2. Update the wash price per pound or tax rate.
3. View customer spending history.
4. Quit the program.

Choose the service you would like by entering the corresponding number.

Main Menu Options:

1. Calculate the Total Amount a Customer Owes

- **Purpose**: Calculate the cost of a customer's laundry based on weight and view their total spending history.
- **Steps**:
    1. Select option 1 in the main menu.

    2. Enter 1 again to continue or any other key to return to the main menu.

    3. Provide the following:

        - *Customer's Last Name* (capitalize the first letter, like "Smith").

        - *Phone Number* (enter all digits).

    4. Enter the *weight of the laundry* in pounds.

        - If you make a mistake (like entering negative weight), it will ask you to re-enter a valid value.

    5. The program calculates and displays a Receipt with:

        - *Subtotal*: Cost before tax.

        - *Tax*: Based on the current tax rate.

        - *Total Amount*: Including tax.

    6. The app saves this customer's spending in its history. If it's a returning customer, it adds the new total to their existing history.

2. Change Wash Price per Pound or Tax Rate

- **Purpose**: Update the wash price per pound or the tax rate when needed.
- **Steps**:
    1. Select option 2 in the main menu.

    2. Choose one of these:

        - 1 to change the *wash price per pound*.

            - Enter the new price (positive number only).

        - 2 to change the *tax rate*.

            - Enter the new tax rate either as a percentage (e.g., 6 for 6%) or as a decimal (e.g., 0.06).

    3. The program will confirm the updated values.

    4. If you don't want to make changes, choose 3 to return to the main menu.

3. View Customer's Spending History

- **Purpose**: Check the spending history for all customers or a specific one.
- **Steps**:
    1. Select option 3 in the main menu.

    2. Choose one of these:

        - 1 to *view all customers' histories*.

            - Displays a list of all customer IDs and their total spending.

        - 2 to *search for a specific customer*.

            - Enter the customer's last name and phone number as prompted.

            - If found, the app displays their cumulative spending. If not, it tells you there's no record.

    3. Choose 3 to return to the main menu.

4. Quit the Program

- **Purpose**: Exit the program when you're done.
- **Steps**:
    1. Select option 4 in the main menu.

    2. Confirm by typing yes or y. If not, the app returns to the main menu.