

User Stories

1. Display Orders

1. Ask user for date
2. Display orders for that date
3. If no orders exist for that date - display error - return user to main menu
4. If orders exist - display orders to user
5. Return user to menu

2. Add an Order

1. Prompt user to display required order information - Order Date, Customer Name, State, Product Type, Area
2. Validate customer input - if invalid information is entered - prompt user to re enter
3. Calculate remains fields - Labor Cost pr sq ft, Material Cost pr sq ft, Labor Cost, Material Cost, Tax Cost, Total Cost
4. Display order summary to user
5. Ask user if they would like to submit the order
6. If no - return user to main menu
7. If yes - generate unique order number - save order into memory
8. Return to main menu

3. Edit an Order

1. Ask user for date and order number
2. Validate user input
3. If order doesn't exist - ask user to re input information or return to menu
4. If order exists - display existing order information - user can only edit Customer Name, State, Product Type, and Area
5. User can enter new data to replace existing value OR hit enter to skip
6. If State, Product Type, or Area are changed - recalculate order
7. Display new order information
8. Ask user if they would like to save order
9. If no - return to main menu
10. If yes - replace order information - return to main menu

4. Remove Order

1. Ask user for Date and Order Number
2. Validate order exists - if not - prompt user to re enter or exit to menu
3. Display order data
4. Ask user if they want to confirm delete
5. If no - return to main menu
6. If yes - remove order from memory - return to main menu

5. Save Work

1. Check if in Production or Training Mode
2. If in Training - display error - return to menu
3. If in Production - Save memory changes to persistent storage
4. If new order date - create new file for that date

6. Quit

1. Ask user if they would like to save changes or not
2. If no - display exit message - end program
3. If yes - save memory changes to persistent storage - If new order date - create new file for that date - display exit message - end program