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Milestone 2: Team 2 Management Screen Pseudo Code

User has logged in to application…

1. Show buttons for each management task module
2. User clicks task choice
3. Application steps to selected module
4. Application will show button to step back to previous menu in all screens

If user selects **INVENTORY MANAGEMENT**

1. Show buttons for each inventory management task
2. User clicks task choice
3. Application steps to selected inventory management task module

If user selects **View All Inventory**

1. Run database query to select all items and all fields for those items
2. Display results
3. Display buttons for sort options
   1. If user selects sort **By Brand**
      1. Rerun query and order by brand
      2. Display results
      3. Display buttons for sort options
   2. If user selects sort **By Type**
      1. Rerun query and order by type
      2. Display results
      3. Display buttons for sort options
   3. If user selects sort **By Item**
      1. Rerun query and order by item
      2. Display results
      3. Display buttons for sort options

If user selects **View Analytics**

1. Show buttons for each analytics option
2. User clicks option for desired data
3. If user selects **POPULAR ITEMS**
   1. Run database query to return list of items sorted by days on shelf order by ascending
   2. Display results
   3. Displays buttons for sort options
      1. If user selects sort **Popularity Highest to Lowest**
         1. Rerun query and order by descending
         2. Display results
         3. Displays buttons for sort options
4. If user selects sort **Popularity Lowest to Highest**
   * + 1. Rerun query and order by ascending
       2. Display results
       3. Displays buttons for sort options
5. If user selects sort **By Brand**
   * + 1. Rerun query and order by brand
       2. Display results
       3. Displays buttons for sort options
6. If user selects sort **Type**
   * + 1. Rerun query and order by type
       2. Display results
       3. Displays buttons for sort options
7. If user selects sort **Item**
   * + 1. Rerun query and order by item
       2. Display results
       3. Displays buttons for sort options
8. If user selects **HIGHEST SELLERS**
   1. Run database query to return list of items and quantities sold and order by descending
   2. Display results
9. If user selects **LOWEST SELLERS**
   1. Run database query to return list of items and quantities sold and order by ascending
   2. Display results

If user selects **Manage Product Details**

1. Display search box
2. Accept user input
3. Run database query to retrieve users desired item
4. Display item name and fields for edit
   1. Title
      1. If selected display text box and save button
      2. Accept user input
      3. When user clicks save write value in text box to title field in database
      4. Display item name and fields for edit
   2. Details
      1. If selected display text editor and save button
      2. Accept user input
      3. When user clicks save write value in editor to Details field in database
      4. Display item name and fields for edit
   3. Image
      1. If selected display browse button for user to select image file
      2. When file selected display upload button
      3. When upload clicked check to make sure file extension is a “.jpg” and file size is 2MB or less
         1. If one or both conditions are not met, display error message and ask for new file
         2. If conditions are met, save image to image field in database
      4. Display item name and fields for edit
   4. Price
      1. If selected display text box and save button
      2. Accept user input
      3. When user clicks save write value in text box to price field in database
      4. Display item name and fields for edit
   5. Promo Price
      1. If selected display text box for promotional price and text box for promo ending date and save button
      2. Accept user input
      3. When save is clicked check for numeric value for price and appropriate date format.
         1. If one or both conditions are not met, display error message, clear fields and ask for new input
         2. If conditions are met, save input to respective fields in databse
      4. Display item name and fields for edit

If user selects **Manage Stock**

1. Display buttons for stock management options
2. User clicks desired option
3. If user selects **Add New Item**
   1. Display fields to be entered for new item and save button
   2. Accept user input
   3. When save is clicked
      1. Run any condition checks
      2. If conditions not met, display error message and request new information
      3. If conditions met, save input to respective fields in database
   4. Return to manage stock menu
4. If user selects **Upload New Stock List**
   1. If selected display browse button for user to select stock list file
   2. When file selected display upload button
   3. When upload clicked check to make sure file extension is a “.csv”
      1. If condition is not met, display error message and ask for new file
      2. If conditions are met, parse and save data to respective fields in database
   4. Return to manage stock menu
5. If user selects **Remove Stock**
   1. Display button options
      1. If user selects **Search for Item**
         1. Display text box
         2. Accept user input
         3. Run database query to find desired item and all its fields
         4. Display result with check box and “remove from inventory” button
         5. When delete clicked
            1. If item selected, prompt “are you sure” message box with yes or no buttons

If yes delete item from database

If no close message box and wait for next user action

* + - * 1. If no item checked

Display error message “nothing selected for delete”

wait for next user action

* + 1. if user selects **Show All Stock**
       1. Run database query to select all items and all fields for those items
       2. Display result with check box and “remove from inventory” button
       3. Display buttons for sort options
          1. If user selects sort **By Brand**

Rerun query and order by brand

Display result with check box and “remove from inventory” button

Display buttons for sort options

* + - * 1. If user selects sort **By Type**

Rerun query and order by type

Display result with check box and “remove from inventory” button

Display buttons for sort options

* + - * 1. If user selects sort **By Item**

Rerun query and order by item

Display result with check box and “remove from inventory” button

Display buttons for sort options

* + - 1. When delete clicked
         1. If item(s) selected, prompt “are you sure” message box with yes or no buttons

If yes delete item(s) from database

If no close message box and wait for next user action

* + - * 1. If no item(s) checked

Display error message “nothing selected for delete”

wait for next user action

If user selects **INVENTORY ORDERING**

1. Display message “The following items needed to be ordered”
2. Run database query selecting items where available quantity is less than or equal to inventory minimum and calculate quantity needed by finding the difference of the inventory maximum and the current quantity in stock
3. Display query results listing item names and quantities to be ordered for each

If user selects **INVENTORY OPTIMIZATION**

1. Display button options
   1. If user selects **Search**
      1. Display text box for user search
      2. Accept user input
      3. Run query search database for user input, returning: item name, brand, type, current quantity available, inventory minimum, inventory maximum, inventory max adjustment increment, inventory max adjustment frequency
      4. Display results with check box and update button
      5. When update button checked
         1. Display item name and fields for edit
            1. Inventory Maximum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

* + - * 1. Inventory Minimum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

* + - * 1. Max Auto Adjustment Increment

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

* + - * 1. Max Auto Adjustment Frequency

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

* 1. If user selects **All Inventory**
     1. Run database query selecting all inventory, returning: item name, brand, type, current quantity available, inventory minimum, inventory maximum, inventory max adjustment increment, inventory max adjustment frequency
     2. Display query results with check boxes for each
     3. Display sort buttons (By Brand, By Type, Alphabetical) and update button
        1. If sort is clicked
           1. Rerun query and sort accordingly
     4. When update button clicked
        1. Check for selections
           1. If no item(s) selected

Display error message “no item(s) selected”

Wait for next user action

* + - * 1. If single item selected

Display item name and fields for edit

Inventory Maximum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

Inventory Minimum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

Max Auto Adjustment Increment

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

Max Auto Adjustment Frequency

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database

Display item name and fields for edit

* + - * 1. If multiple items selected

Display fields for edit

Inventory Maximum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database for all items

Display fields for edit

Inventory Minimum

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database for all items

Display fields for edit

Max Auto Adjustment Increment

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database for all items

Display fields for edit

Max Auto Adjustment Frequency

If selected display text box and save button

Accept user input

When user clicks save write value in text box to respective field in database for all items

Display fields for edit

If user selects **USER MANAGEMENT**

1. Display button options
   1. If user selects **Add User**
      1. Display “add user” button
      2. Display text box for new user first name
      3. Accept user input
      4. Display text box for new user last name
      5. Accept user input
      6. Display drop-down box for new user title
         1. If “manager” selected
            1. Set access permissions to full
         2. If “associate” selected
            1. Set access permissions to limited
      7. Display text box for new user username
      8. Accept user input
      9. Display text box for new user password
      10. Accept user input
      11. When “add user” button clicked
          1. Check that all fields have input
             1. If yes

Save all input in new database record

* + - * 1. If no

Display error message “fields missing, please re-enter new user”

Reset new user input screen

* 1. If user selects **Manage Users**
     1. Query database, select all current employees from user table
     2. List results and all respective fields with check boxes and edit button
     3. When edit button clicked
        1. Display user first and last name
        2. Display all fields for edit, save button and “back to all users” button
           1. If “back to all users” button clicked

Return to current employee list

* + - * 1. Display text box for user first name
        2. Accept user input
        3. Display text box for user last name
        4. Accept user input
        5. Display drop-down box for user title

If “manager” selected

Set access permissions to full

If “associate” selected

Set access permissions to limited

* + - * 1. Display text box for user username
        2. Accept user input
        3. Display text box for user password
        4. Accept user input
        5. When “save user” button clicked

Check that all fields have input

If yes

Save all input to respective fields in database

If no

Display error message “fields missing, try again”

Reset edit user input screen