Simulation of Global operations of KFC

## Users

### Franchisee Manager (Transcom Foods Limited (TFL))

* + Add new Branch
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the ‘Add Branch button
    - New page opens up, with text fields labeled Store Name, Address, Email, Phone Number.
    - Enter the required information on the text fields and click on the “Add and Save” button.
      * If a text field is empty, the UI will highlight the text field in red
      * Else, a preview of the information for the new store will be shown in a table.
    - A file of list will be created in the database with the store information added into it
    - Click on ‘Back’ button to go back to the dashboard
  + View Sales report of branch
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the ‘Sales Report’ button
    - New Page opens up with a table including Total sale number, date (sorted by month) and branch name and email.
    - Click on the combo box to select the branches
    - Respective sales reports are fetched from the database and viewed on the table
    - Click on ‘Back’ button to go back to the dashboard
  + View Branch Information
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the ‘View Branch Details button
    - New Page opens up, with a table which lists all the stores with serial numbers, Store Name, Address, Email, Phone Number.
    - Click on ‘Back’ button to go back to the dashboard
  + Hire Employee
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the ‘Hire Employee’ button
    - New page opens, shortlist of employee generated by the HR
    - Based on the review of the HR, Click on the “Approved” or “Reject” button beside each potential employee.
      * If “Approve” is clicked
        + The employee will be added to the list of employees under the respective User type.
      * Else if “Reject” is clicked
        + The list will delete the instance.
  + Write report on branch status
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the ‘Write Report’ button
    - A new scene will open with where user will be able to write a free format report on a text area
    - User can click on the button below the text area named “Save as Report.pdf” and the file will be saved in the database

### Branch Manager

* + Set workhour for employees
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Add schedule” button
    - A table with employee instances as rows and name, department days of week as columns
    - There will be checkboxes under each days of the week for each employee, so that user can assign work days to the other employees
  + Report inventory
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Inventory” button
    - Table with list of items i.e., ketchup, mustard, chicken, buns etc. with check boxes beside them and quantities will appear
    - User will select the items needed and their quantities and click on “Procurement Request” button
    - A pre-formatted report with the list of selected inventories and their quantities will be saved as “Procurement-Request.txt”.
  + Check status/progress of branch
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Check Branch Progress” button
    - A new scene will appear with a preloaded table of Monthly sales, monthly expenses.
  + Delegate tasks
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Task Delegate” button
    - New scene opens with a list of employees in a table
    - User will select an employee from the table and click on “add task” button
    - A new window will open, 5 separate text fields will appear
    - User will type in 5 tasks for that employee
    - Click on “Assign tasks” button to assign the tasks and close the window and go back to the Task Delegate screen
    - The assigned tasks will appear in the respective employee’s dashboard with checkboxes to determine completion of task
  + Branch directory
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Store Directory” button
    - New scene opens with employee information such as phone number, email address, department.

### Procurement Manager

* + Order Items
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Inbox” button
    - New scenes loads up with the “Procurement-Request.txt” file displayed
    - Select the items to be ordered and type the quantity
    - Select a supplier from the drop down list
    - Click on “Confirm order” button
    - A report of order summary will be generated and saved into text file upon clicking the above button.
  + Check order delivery status
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Order Progress” button
    - User can see a table which will show time of order placed, current progress of the order i.e. confirmed/processing/in transit and estimated delivery date
  + Add new supplier
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Add New Supplier” button
    - A new scene will open up
    - A table listing all the existing suppliers and their contact information i.e. phone number, address, email address.
    - Fill in the required fields i.e name, phone number, address, email and click on “Add supplier” button
    - The new supplier will be shown in the table
  + Delete Supplier
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Delete Supplier” button
    - A new scene will open up
    - A table listing all the existing suppliers and their contact information i.e. phone number, address, email address.
    - Select the supplier to be deleted
    - Click on “Delete Supplier” button
    - The supplier will be removed from the table
  + Generate report of monthly orders
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - After the dashboard loads, click on the “Generate Order Report” button
    - A new scene will open up
    - A table with a summary of all the orders made sorted by their dates will be shown along with order cost and total cost
    - Click on “Generate Report of Orders”
    - A OrderReport.pdf file will be generated and saved

### Customer service representatives (CSR)

* + Check schedule
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - Click on the Check schedule button from the dashboard
    - A new scene will open and schedule made by the branch manager for the specific user will be shown in a table
    - Days and time as columns
  + Check delegated tasks for the day
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - In the user’s dashboard, there will be list of the tasks for the day
    - User will select a task and click “mark as done” to mark the task complete
    - The user can check the tasks that has been completed
  + Request for time off
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - Click on the dashboard button named “Request leave”
    - A new scene will open with text fields to be filled in by the user
    - Text fields include reason for leave, duration of leave [from date/to date], name, designation
    - Checkboxes for the type of leave i.e. casual/sick
    - Click on the “request” button after filling the required fields
    - Request will be sent to the HR
  + Report number of sales
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, click “Input Sales” button
    - A new scene will open and there will be a Table with date, number of orders and total cost of the orders as columns
    - The rows will be instances of Sales
    - After input is done, click on the save button to save the table view
    - Click on the Report button to append the new entries to the  
      “Sales Report.bin” file
  + Send query to HR
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, user can click on the button named “Query”
    - This will open a new window with text area to type on and a date picker
    - User can write about any concerns or queries to the HR directly
    - After finishing typing, click on send button
    - HR will receive the query in the inbox which will show the sender’s name, designation, subject and the message

### Human Resources

* + Check reports from other departments
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - Click on “Check Reports” button
    - In a new scene, select the branch name from combo box
    - Then select the department
    - Click on “View Report” button to open Report.txt file which has been generated by other users from other departments
  + Shortlist of potential employees
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, user can click on the button named “Shortlist Applicants”
    - New scene will open which will include text fields such as Name, email address, phone number
    - A combo box to select the position applied for
    - Then click on “Save to Short list” button to view in the table and then click on “delete” button to delete from the list or click on “Save” to save the information in a ShortlistedEmp.bin file.
  + Check inbox for queries
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, user can click on the button named “Inbox”
    - A new scene with table view including the instances of queries made by other employees
    - Selecting any row will show the full query in a text area below the table
    - Another empty text area will be below that and user can send response to the query selected
    - Click on “Send Response” to send response to the query selected
  + Check leave requests
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, user can click on the button named “Leave requests”
    - A new scene will open with table view
    - Rows will be each employee instances who have requested the leave
    - Columns will state date requested, name, designation
    - Select a row and click on the button “Check request”
    - A formatted view of the leave request form with all the relevant information will be shown
    - Click on “Approve” or “Deny” to approve or deny the request
  + Generate report
    - Log in: type ID & password, select the type of user from the dropdown menu.
      * If the ID and password matches with the database, then the dashboard will open.
      * Else, error message “Invalid ID or Password” will be shown
    - From the dashboard, user can click on the button named “Write report”
    - A new scene will open
    - There will be a text area to type in, a combo box to choose a branch
    - A button named “Generate report” shall be clicked to preview the report written about the branch
    - Click on “Save report” to save the written report in a formatted pdf file
    - The new report will be appended in the same file for all the reports
    - Click on “send to franchisee manager” button to send the report to the Franchisee manager’s inbox.

\*\*All the scenes for the goals will have a “Go Back” button to go back to the previous screen.