Wait-Less Scenario
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Wait-less is a restaurant management app that will increase servers and hosts work efficiency as well as help the manager/owner to manage the restaurant. The application will have three user modes (host, waiter, and manager). As customers arrive, the application will tell the host which table they should be seated at. The application will then link tables to the servers mode so they know the location of their tables, as well as allow the server to place the customers orders. Managers can use this application to make/change employee schedules and monitor the restaurant.

When the application launches, the system will display a welcome screen. Then it allows the user to choose from Host Mode, Waiter Mode or Manager Mode. If it is the first time the current user is opening the application, the user will automatically be punched in for work. At this point the user will be able to access each mode's features.

Scenario "Host Mode"
When the host logs in to the application, the system will display the status of all tables in the restaurant with a visual representation of the layout of the restaurant, as well as the tables which are currently occupied, available, or reserved. On the bottom of the host's screen there will be 3 buttons:

Check Tables
The system will ask the user to input the size of the customer group and checks if there is an available table for the customers. If there is an available table, the table number will be displayed; otherwise, the estimated waiting time will be displayed. If there is no available table, the host will be prompted to enter customer information into the waitlist tab.

Wait List
This is used when there are no available tables in the restaurant. The system will ask for the customer's first and last name, phone number, number of guests, the arrival time, and estimated time until the table is free. The waitlist can be sorted by number of guests in the party, or each group's arrival time.

Reservation
This is used when customers call to make a reservation before they come in. The system will ask for the customer's first and last name, phone number, number of guests, and when the party will be arriving. The reservation list can be sorted by number of guests in the party, or each reservation's arrival time. Upon making a reservation, this tab will update the visual representation of the layout by marking the table as reserved.

Scenario "Waiter Mode"
When the waiter logs in to the application, the waiter will automatically be punched in for work. After that, tables will be assigned sequentially to the waiters that are currently working.

It will show the updated status of each table in the restaurant (whether they've ordered or paid).

When they click on a table, two buttons will show up. The waiter can choose to either place an order for the table or get the check. If the place order button is pressed there will be a menu and they can make an order to send it to the kitchen. If the get the check button is pressed a check for the selected table will be printed.

Scenario "Manager Mode"
When the manager logs in to the application, the system will first ask the manager to enter the number of the waiters that are currently working. Then, the focus of the system will shift to the statistics of the restaurant. This will include the amount of time since tables have been served and the current wait time for a table. At the bottom of the application there will be two buttons. The first is a display button which lists all current waiters in the restaurant and the order/table the waiter is currently working on. There will also be a schedule button responsible for scheduling the waiters work time for the week, this will be useful in case a waiter calls for an urgent day off. When the manager user presses the summary button, the program should print out a final "conclusion" screen of the daily total revenue and number of customers.
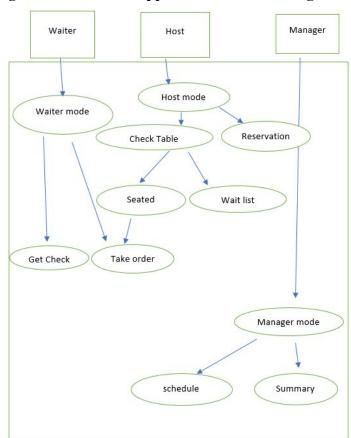
Figure 1 - Wait-Less application Scenario Diagram