SWE
Serve With Ease

Demo 2 PowerPoint Presentation
Group 1 - Restaurant Automation

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Background

- Our Project
  - Who is it for?
    - Restaurants
  - What is the goal?
    - Ease duties of employees

New Special Features / Novelties

1. Priority Ticketing
   - Flag on ticket to indicate the importance of order
2. Coupons
   - On spot handling of coupon by waiter and manager and can detract from bill
3. Gift Cards
   - Waiter can handle on spot purchasing of gift cards and add to bill
4. Expanded Notify button to more options
   - Notify Manager for one of the following (issue with service speed/ meal/ waiter/ etc)
   - Notify Waiter (from 1 waiter to another)
5. Expanded Modify button to more options
   - Food preferences or allergies (Soy, Gluten, Nuts, Vegan, Veggie, Lactose Intolerant)
   - To - Go button
   - Birthday button
6. Communication between waiters
   - Waiters can notify each other if their table needs them
7. Audits
   - Tickets are stored in text files so manager can review when needed

Key Feature 1 – Priority Tickets

What is this:

- "Priority" is a flag that the waiter can add to a ticket when sending to the chef. This will let the chef that this dish needs to be made quickly.

What problem does it solve:

- If…
    - a waiter drops a dish
    - there is a problem with the dish
    - etc
- Now the waiter can easily let the chef know to remake a dish without having to go to the kitchen themselves.
- This saves the waiter time, the chef knows exactly what to remake, and the customer is not waiting for very long.

SWE Skit 1

Situation: Problem with dish
Demo feature
Conclusion

Key Feature 2 – Coupon

What is this:

- "Coupon" is a button that the waiter can use when a customer has a coupon. The manager is required to validate it.

What problem does it solve:

- The waiter can notify the manager that a coupon verification is needed on the spot.
- Requiring the manager to input their ID and discount value are extra security measures against employee fraud (??).
- The discount is added to the bill immediately after manager validation.

SWE Skit 2

Situation: Customer has a coupon
Demo feature
Conclusion

Key Feature 3 – Audits

What is this:

- All tickets are stored in a text file. Manager or owner can view these for any bookkeeping needs.

What problem does it solve:

- Now the manager or owner can easily refer back to ordered items when needed.
- This also shows the tickets ordered under each waiter.
- This makes it easier for keeping records of ticket history and can be expanded to further features.

SWE Skit 3

Situation: Manager wants to view history of orders per waiter
Demo feature
Conclusion

Projected Time Line

TBI: To Be Implemented for the future

- SQL for data management
- Owner interface
  - Ability to add and remove employees
  - Ability to edit the menu prices and add/remove dishes
  - Ability to edit the inventory
- Statistics based on audits
- Sales and Tables Count per waiter
- Switching tables from 1 waiter to another
- Implementing shared tickets between waiters for large parties
- Low Utensils record