SWE
Serve With Ease

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PowerPoint Presentation
Group 1 - Restaurant Automation
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Background

- Our Project
    - Who is it for?
    - What is the goal?
    - How do we do it?

LogIn Screen
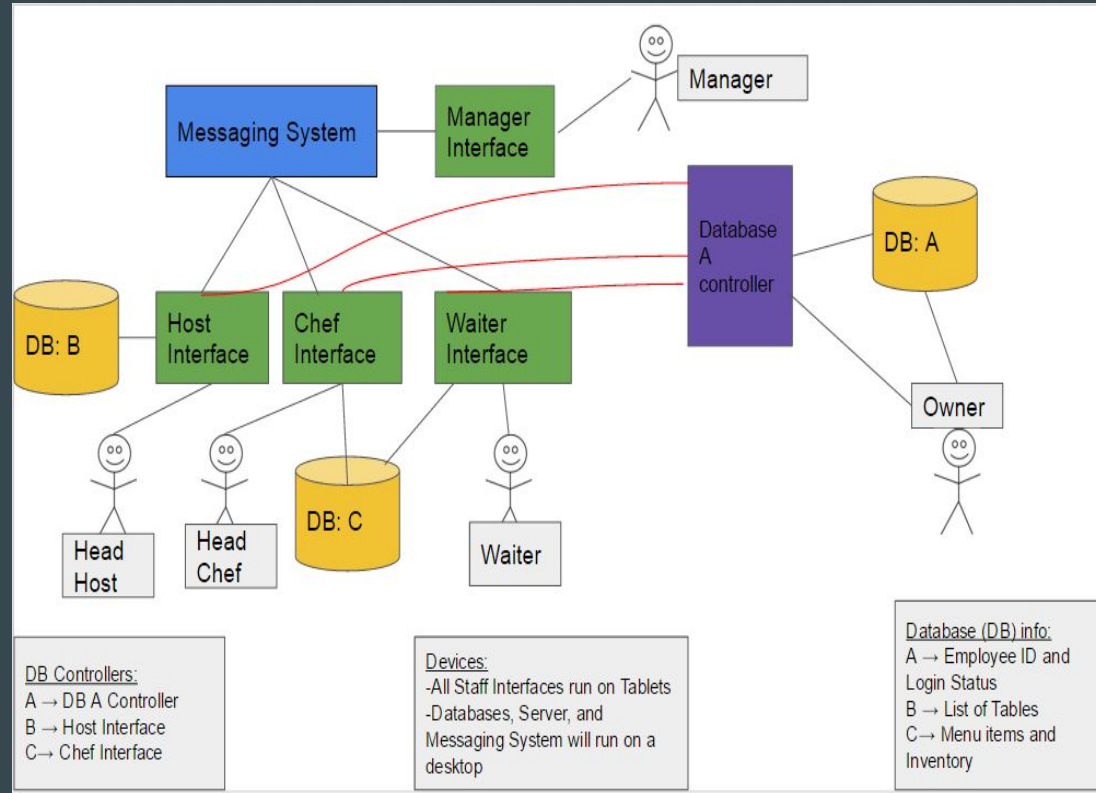
Special Features / Novelties

1. Are You Sure?
   - Security against Human Error
2. Hot Food / Recently Sat Status Alerts
   - Alert remains until acknowledged
3. Remove Food Button
   - Quick remove button for waiter
4. Host Screen Organization
   - Tables separated by status
5. Host updated upon waiter action
   - Waiter hits "Paid" button -> real time consequences for Host
6. Notify Manager Button
   - All employees have this button
7. Manager's List of Messages -> TBI
   - Pending list of messages or alerts remain until acknowledged
8. Broadcast Messages -> TBI
   - Manager can broadcast messages to all employees

Waiter's Screen when taking an order

Distributed Databases

- We are using the client server model with distributed databases.
- Why use this?
  - Reduced Overhead
  - Limited Data Corruption
- Database A - List of IDs
- Database B - List of Tables
- Database C - Inventory, Menu

Why Does it Matter?

- Increases speed of service
    - Seating faster
    - Sending in orders faster
- Ease communication between staff
    - Sending tickets
    - Notifying the Manager
    - Manager broadcasting messages
- Better Organization
    - Status of table's progress
    - Chef's ticket queue
- Happier Employees
    - Improves Customer Experiences

Now let us go to the SWE Skits

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Projected Time Line

TBI: To Be Implemented by Demo 2

- Add a broadcast message for Manager
- Chef ticket queue color coordination and ordering
- Inventory Records
- Owner interface
  - Ability to add and remove employees
  - Ability to edit the menu prices and add/remove dishes
  - Ability to edit the inventory
- Priority Ticketing
- Display the table max occupancy on the host table lists.
- Display amount of tables each waiter has on the host screen