March 05 (Team Assignment)

Input Requirements:

1. The inventory system will need access to disparate and large amounts of inventory by categorizing what type of food/drink it is
2. Maintenance upkeep receipts must be entered by their transaction number, price, and date.
3. Employee of order writing department must input which items are going to be ordered by their description and unique UPC and quantity
4. HR will need employee ID and time slots in order to schedule employees
5. Clock in/out system input form must include employee ID and password fields

Output Requirements:

1. Inventory system should show how much of each product is on hand, when it was received, and the unit costs.
2. Clock-in/Payroll system should show what time an employee clocked in, what time the employee clocked out, and the exact number of hours/minutes he or she worked for the day, on a weekly basis.
3. Maintenance upkeep system should show the description, date of purchase, cost of original purchase, amount of times it has been repaired, and the dollar amount spent on repairs.
4. Purchasing system will show what product is bought the most in the restaurant by customers by its quantity, allowing for more accurate inventory purchasing from vendors and statistical comparison
5. Scheduling system should show whether the employee is working a morning, midday, or closing shift, and how many hours the employee is scheduled for each day on a weekly basis.

Process Requirements:

1. The system's purchasing function should process the order from each stores to the distributor and generate estimate timeline of delivery.
2. The system's inventory function should show process the receiving status of delivery with purchasing output and calculate how many is available to operation
3. The system's equipment maintenance function should be able to process the input data from the time of maintenance and generate other useful information for management to determine the specific equipment's usefulness.
4. The system's payroll function should be able to calculate the hour clocked by the puncher and compare scheduler to calculate right wages.
5. The system's scheduler function should be able to process the regular schedule setting, request of overtime, shift change and provide background information for payroll to ensure all hours are properly logged.

Control Requirements:

1. The system must provide login security at the operating system level and the application level.
2. The system must provide security for each user as well as each administrator.

3. All transactions must have an audit trail.
4. The system must also create a log for all errors.
5. Employee information can only be edited by their respective supervisors.

Performance Requirements:

1. The system will be able to upload information on a real time basis to a cloud storage that is accessible by managers and staff simultaneously.
2. The system will have inventory control which alerts staff of low inventory stock that allows a minimum to be set.

Scalability:

With the development of this more effective and efficient system, business is expected to grow exponentially. We expect this new system to support this exponential growth as it is a cloud-based system with exceptional hardware and software that will be able to maintain and integrate multiple restaurants.