**PROJECT :- Software system for Rohan’s bakery**

The idea is to create a software system for the bakery that will handle the following tasks :-

1. Add, remove and update menus in the menu list and their prices.
2. Generate bill for the user.
3. Track items inventory and tells the users which items need to be added.
4. Give a comprehensive report to the manager for sales trends and profit.

In order for requirement gathering and analysis we have opted to go for 1 on 1 interviews with the employees and the manager to get their needs and understand the business functions.

**Organization chart :-**



**Preliminary Investigation Report: Rohan’s bakery September 25, 2017**

**Introduction**

We have completed a preliminary investigation of the requirement of software for the bakery on September 25. This investigation was the result of a systems request submitted by Kashif Khan, Manager, on September 21.

**Systems Request Summary**

The focus was to produce a new software for handling the day to day activities for the bakery which was currently being done manually.

The idea is to create a software system for the bakery that will handle the following tasks:-

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2. Generate bill for the user.
3. Track items inventory and tells the users which items need to be added.
4. Give a comprehensive report to the manager for sales trends and profit.

**Preliminary Investigation Findings**

1. Currently the majority of the work is manual and file base using MS office package. A lot of errors are occurring in the manual system due to the rush of the customers.
2. The billing prepared is also hand written which is causing errors
3. There is no proper way to get reports on sales trends and profits for the manager.

**Recommendations**

This would require a new software to be built connecting the billing, sales and stock maintenance, analysis of data for fact finding can be done and manual work can be removed giving the customers better experience.

**Time and Cost Estimates**

The entire SDLC will take about 15 days Total cost will be around Rs. 5,000

If the project continues beyond the time frame, total cost will depend on what development strategy is followed.

**Expected Benefits**

A sharp reduction in overtime costs and processing errors will avoid unnecessary expense and improve employee morale. Better experience for user and customers. Easy fact-finding due to centralized data and reports.

**A presentation for the preliminary investigation report has to be given to the manager and owner.**

**A gnat chart has to be prepared for managing the project. It can be used along with the presentation.**

**Functional decomposition diagram :-**



**Use case diagrams :-**



Billing executive



Manager

**Data flow diagrams :-**



**E- R diagrams :-**



**The tables are made in MySql as per the E-R Diagram**