G.H. Raisoni College of Engineering & Management
Department of Computer Engineering

TAE -1 (Activity Based Learning)

SOFTWARE REQUIRMENT SPECIFICATION (SRS)

Topic: Restaurant Management System

Subject: Database Management System (DBMS)

Submitted to:

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Table of Contents

1. Introduction

The restaurant management system is a collection of software products that helps to keep all aspects of your dining establishment running smoothly. Think of it as a two-part system, with one part of it managing the back of the house, and the other side managing the front of the house.

1.1 purpose

-The Software is to provide enhanced features of our Restaurent management system.

-It maintain two level of users.

-Manager level

-Customer level(Normal users)

-The Software details

- Maintaining Cutomer Details.

-Maintaining details update if cutomer sr.no,Name,bill no.

1.2 overview

- Project is related to restarent management System

-The Project Maintain two level of users:

> Student User:-

-Main Facilities available in this project are:

- Storing Information of customer

> Administrator Level:-

- Main Faciities available in this project are:

- maintaining record of customers

-in this Project collection of data is from different customers

- change in customer details & update in the database

2. PLANING

Planning is the preliminary stage ti achieve the object of project. The various stage included in the plaining are as follows.

1. Identification of enterprise plans & goals with subsequents determination of information system needs.
2. Evalution of current information system to determine existing strengths & weakness.

2.1) Problems Staments and objectives:

To overcome the drawback of the previously existing Restaurent management System

2.2.1) problems with conventional system

a) Lack of immediate retrivels: The information is very difficult to retrieve and to find perticulr information like-E.g.-To find out application forms for cutomers, the customer ha sto go through various registers.This results in inconvenience and wastage of time.

b) Lack of immediate information storage: the information generated by various transaction take time and efforts to be store right place.

c) lack of prompt updating: various changes to information like customers details are defficult to make as proper work of manager involved.

2.1.2) Goals of Proposed System:

1. Planned approach towards working: The working in the organization will be planned and organized . the data will be stored properly in the data stores , which will help in retrivel of information as well as its storage.

2.Accuracy: The level pf accuracy in the proposed system will be higher .all open would be done correctly and it ensures that whatever information is coming te centre is accurate.

3. Reliability: The reliability of the proposed system will be high due to the above stated reasons. The reasons for the increased reliability of the system is that noe there would be proper storage information.

4. Immediate storge of information: In manuals System there are many problems to store the largest amount of information.

3.SYSTEM DEFINATION

3.1) Background

Any Foundation can provide Counseling for needy and eligible Customer by using Resuarent Management System.

Customer counslling System provide facilities like

1. Managing customer's Details
- Provide eating product, bill number ,gst billing details

These are the various jobs need to the done in a restaurant management system by the manager and customer.al this work done on computers.

The work is done as follows:

- Information about customer is done by just print the bill as well as bill number,table number ,room by customer information type.whenever the customer comes up information is stored freshly

All this work is done manually and lot of documents are needed to be handled and taken care of.

3.2) Scope:

It can be used by Restaurent for Counselling purpose.

3.3) Administrator characteristics

Every user should be;

. Confortable of working with computer in restuarent by manager

. He must also have basic knowledge of English

Every user(customers) should be;

- comfortable of working with computer

3.4) System Analysis:

Analysis of the System can be divided into following 3 phases:

. structured Analysis

. package Selectiojn

. System specification

REQUIREMENT COLLECTION AND ANALYSIS

4.1) Requirement gathering and analysis:

This acticity typically involves interviewing the students and studying the existing documents to collect all possible information regarding the system . If the project involves automating some existing procedures

4.2) Software Requirements Specification (SRS)

 Once the analyst has performed all the above mentioned activities all requirements are to be systemtically organized in the form of an SRS documents. The SRS documents usually contains all the user requirements in an informal form.

An SRS documents clearly documents the following aspects of a system :

. Environmental Characterstics

a) Hardware
b) Software

. Functional Requirements

. Non- functional Requirements

    4.2.2) Each High level requirements typically involes accepting some data from the user, transforming it to required response and outputting the response to the user

A Manager is hired that will take care of collecting the bill of customer for conformation an they will solve quires of customer

   4.2.3) Non-Functional Requirements:

 Non-Functional requirements are the ones that specify criteria that can be used to judge the operation of a system rather than specific behaviours

The ones concerned for the project are as:

. Security

    Security is the degree of protection against danger,damage,loss and crime,In order to ensure security , a login is maintained which is bill and table number hence forth is accessible by only certain truworthy people from manger

. Maintainability

Maintainability refers to the ease with which a product can be maintained in order to:

3. Requirement Specification

SRS001 **Add patients**

The HPIMS shall allow front– desk staff to add new patient to the system.

SRS002 **Assign ID**

Each patient a id and add it to the patient record, this id is used by the patient throughout his/her stay in hospital

SRS003 **Patient information**

Each patient shall have the following information: first name, last name, phone no., personal health no, address, postal code, ward name, bed no., and doctor's name which was assigned.

SRS004 **Data Base**

The system shall use the MySQL database, which is open source and free

SRS005 **Operating System**

The Development environment shall be Windows 2000.

3.2 Software Requirements

. Windows 7 or above operating system

. JRE 1.8

. MySQL server

3.3 Hardware Requirement

. Core i5 processor

. 4GB Ram

. 20GB of hard disk space in terminal machines

. 1TB hard disk space in Server Machine

4. Advantages

- Immediate Access of data

- Friendly user interface

- Time Saving

- Data can be easily insert/update/delete

- Saving paper work

- Give facility of Different types of enquiry

- Data are easily approachable

5. Limitation

1) Finance: the high cost of material for the project & everyday constraint increase in transportation tax.

2) Data Collection: The research work had a problem in collecting data form staff.

3) Material: it contains play a major role in that limiting some research that would have contributed immensely.

6. References

1. www.google.co.in
2. https://www.slideshare.net
3. http://www.itu.dk/iEE tasks