V2Soft

V$_{iki}$ S$_{oftware}$

Project Name: **RAS-2005** (Restaurant Automation System)

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Document Description:

This document is a brief introduction to the Restaurant software project RAS-2005. It is not intended as a specification and items presented here are subject to change by the Viki Software team.

V2Soft RAS-2005 Project proposal				
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Overview

RAS-2005 is a software system that meets general requirements of a restaurant. These requirements can be classified into two groups one is In the Restaurant requirements and the other is Out of Restaurant requirements. Also, these requirements are changeable in the period of design to meets the demands of customer's profile. But currently we state our program features below:

In the Restaurant Facilities:

Stock management: RAS-2005 shall have a database which include current stock information, and shall construct and control this information.

Online ordering via network enabled handheld computers: in these systems waiters have a small computer and they are wireless connected to server. Here our RAS-2005 main duties are firstly gather information from Palm's and make necessary evaluation, computation and renewing database.

Simple accounting: RAS-2005 shall compute total payment of orders which coming from Palm's or online ordering and then write out a print-out.

Executive information system: RAS-2005 shall have a database which include detailed information about staff and customers and shall construct and control this information.

Out of Restaurant Facilities:

Internet online reservation and order management: RAS-2005 shall have an internet user friendly GUI in which online customers will be able to send their orders and reservation requests to restaurant.

Customer Management: RAS-2005 shall store customer information, their wishes and complaints gathered via internet or face-to-face.

Development Stages

The development of the system is broken down into 4 stages:

Researching

Throughout all stages of development our clever and hard working team members will always be searching the best for our system in terms of technology, security, integrity, adaptability and easy-use.

Specification

The whole RAS-20005 system is "thought about a lot". This also includes 'prototyping' and 'demonstration applications'.

Implementation

Essentially programming, but much re-specifying is likely as unforeseen problems and opportunities suggest changes to the system. Feedback from development of RAS-2005 on one platform can be used to help the development on other platforms. Testing is considered part of this stage.

Growth

Once released as a working system proprietary format owners need to be encouraged to develop RAS-2005 Modules that interpret their formats for use by the system.

Project Aims

The bottom line aim of the RAS-2005 system is for it to be used instead of any other restaurant related software's. To reach this lofty goal the system must be...

Easy to adapt to

Restaurant owners will need to install and use our system instead of other opponent. To make this as easy as possible for not only restaurant managers, but also the customers, the user interface will be handled entirely by the RAS-2005.

Easy to expand

As new technologies and the increase in internet users grows so rapidly in the marketplace, most of the restaurant activities will be internet ordering and activities related to these orderings. Throughout this, restaurants with faster communication and service will lead the market. V2SOFT team members all see this as a big opportunity for us. To get its place in software market RAS-2005 shall be designed in a way that it will be adaptable and easy to modify according to newest technology and user demands.

Scrupulous documentation

The intended lifetime of this product is more than a one can think, and development is expected to be passed down to new generations. Even within a lifetime many programmers may need to work on the same piece of code without having met each other. Documentation of the source code is vital for the system's long-term usefulness.

Developed across many platforms

Since the restaurant owners and internet user prefer different platforms to use, both the RAS-2005 Heart Module and its entire component needs to be available on many platforms to enable all users to use our product.

Reducible for 'Small' users

The final product must have a compact minimum size (memory requirements) so that it can be effectively used on smaller palm top and portable systems.

Enhanced Security

Since RAS-2005 has internet use and database applications, security is one of the most important areas that V2SOFT team members shall deal with. RAS-2005 will have very high security system.

A Rough Guide to Roles

(Sort of in order from greatest to least commitment)

Project Manager

Keeping all the right people talking to all the other right people.

Programmers

Who work on the system once the specification has been thrown to them.

Magi

Clever people from all sorts of places who might be called upon to help with various decisions or problems. They may have a specialisation or be a good contact.

Supporters

These are people who help the project in some other way. They could provide a web site, or moderate a mailing list for users of the system, for example. Sending morale-boosting homemade cake to harassed programmers counts too.

Demons

These are beta-testers, people who do their best to break the system. Their job is not to "make sure it works" but to "seek out the flaw" (hence the scary name).

Ambassadors

Who are people positioned to help the process of RAS-2005 development along.

Contact

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