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

Project Id: 1

Document Name: RAS-2005 Software observation from market-1

Document Id: 1-S01

Document release: 1-S01-A

Document Description:

This document is about "Abacre Restaurant Point of Sales" restaurant automation system. It includes general information, major advantages and weakness of "Abacre Restaurant Point of Sales". Also, the benefits of this observation to our project mentioned briefly.

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Software Observation From Market

Abacre Restaurant Point of Sales

<u>*What is Abacre Restaurant Point of Sales?*</u>

Abacre Restaurant Point of Sales is a new generation of restaurant management software for Windows platforms. I guess it is designing with Visual Studio as design tool and Visual basic as programming language. It has very basic GUI, but I think it makes the program more easy to use. Because, Restaurant Managers are not supposed to be good at using computers, more assorted GUI can be harmful. Below you can see the opening screen-shot of Abacre.
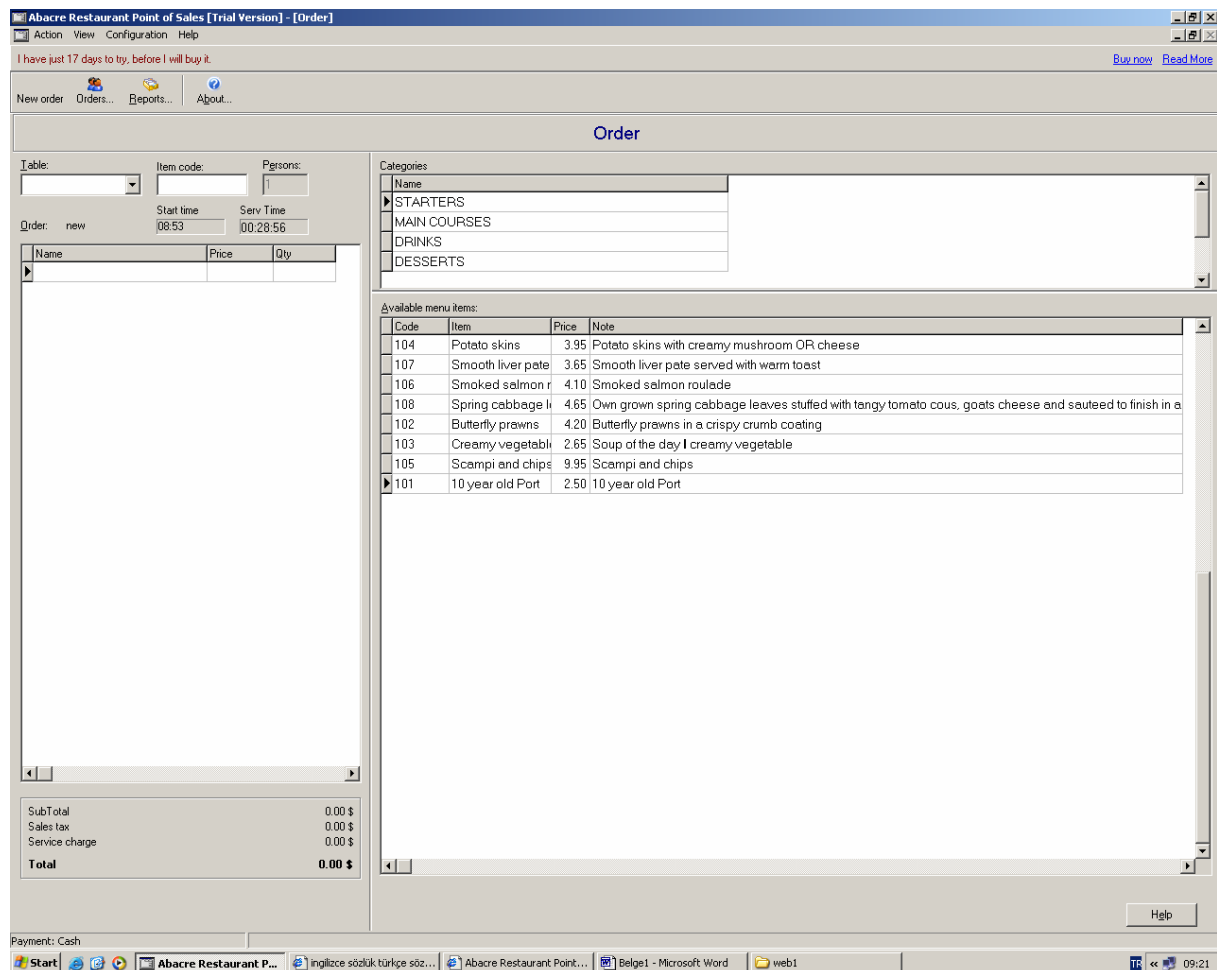

Figure-1 Opening screen of Abacre
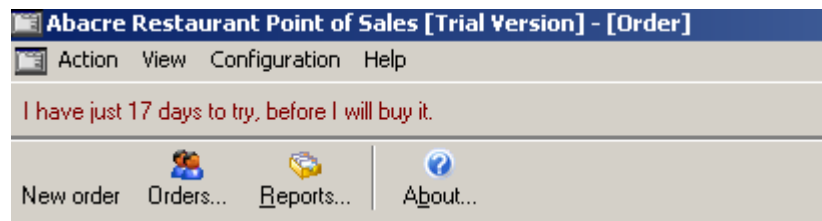
Let me explain some of features:

Figure-2 Main menu of Abacre

In main menu:

Action:

- ✓ You can choose a new order for a table here.
- ✓ Print process can be accessed here, you can print a bill.
- ✓ If manager want to exit securely can login off here.
- ✓ An order can be closed here.
- ✓ Program can be ended by clicking exit from here.
- ✓ Reports can be seen here.
- ✓ Order transfer can be performed here.

View:

- ✓ All active orders can be seen here table id, food name, food id and price appear in the report.
- ✓ Language can be changed here to any other language supported by the database in trial version just English and French supported.
- ✓ Also other reports can be seen there.

Configuration:

- ✓ This option seems hearth of the system any database action performed here and I doesn't mention yet but it is important this program takes every information from database which was initially created by Microsoft Access adds everything to the database with respect to request of manager. For examples; number of table, workers information, goods information…
- ✓ Print configuration such as length of the bill type of the bill can be calibrated here.
- ✓ Manager can give name to menu items here and write comments like. "içinde mantar havuç … var"

Help:

- ✓ One of the great features of this program is having a help.

Supremacies of Abacre

It is a complete solution, beginning with taking orders from patrons, and ending with billing and tax reports. The user interface is carefully optimized for high speed input of a patron's order and the prevention of common mistakes. It's designed for using on multiple computers, and contains reliable and secure authorization levels.

The layouts of the guest bill can be customized, and the program can be set up for any currencies, taxes, and gratuities. Payments can be accepted by cash, credit cards, or checks.

For managers, there is a rich set of reports that shows a complete picture of restaurant operations and life cycles: menu consumption, reservation frequency, and hours of high restaurant load, busiest tables, most active employees, payment methods, and automatic tax calculations.

By standardizing the entire restaurant management process, the software radically improves serving speed.

It's easy to install and easy to use. Very affordable licensing allows this software to be used in any environment from small family-owned restaurants to large chains.

Debilities of Abacre

It does not support online ordering via palms and online ordering via internet. A restaurant manager cannot fully satisfy using Abacre because it does not automate reservation, so reservation made by the telephone call or something etc… What a big problem for busy managers.

It has no idea about security I said before that it's database can be accessed by Microsoft Assess and you can see all tables SQL's and relations here if manager have a naughty waiters then program causes a chaos.

I do not inspect carefully but most of the times when I shut down my computer all orders being disappear. So, if a manager has 500 tables then after computer shutting down, all orders being disappear.Just think about loss in 1 sec.

The benefits of this observation to our project

In the beginning we have some general idea about application software, but now I feel I am fully equipped to fight monsters of project (I am just kidding :). I think at the end we achieve great things and our system will be better than tons of Restaurant Software.

References: www.abacre.com *and* www.download.com *(for trial version)*

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