Criterion A: Planning

The Scenario

My client for this Internal Assessment project is Mr. Venu Gopal. Mr. Gopal owns a fast food restaurant in Bangalore and has been running it for around 5 years and is still going strong. However, in the new age of software and "apps", Mr.Gopal has found it rather difficult to keep up, as he still uses the "pen-and-paper" method of collecting orders from patrons. Due to this, managing orders becomes chaotic on days where there is a lot of business, and managing his finances also becomes quite confusing. Mr.Gopal has possessed a computer at his establishment for quite a while to help him with finance calculations, but he has never had a dedicated application for his store, which he wanted to change. After realising the need to upgrade, Mr. Gopal has approached me and requested that I create a technological solution for this particular problem, which would manifest itself as a standalone desktop application to manage customer orders efficiently.

Rationale

Upon multiple meetings with my Mr.Gopal (refer to appendix for proof), I have come to the conclusion that the most efficient method with which his systems could be upgraded would be through the use of a standalone java application built for desktop computers. Mr.Gopal already possesses the hardware necessary to implement said software, which is why this option would be the most cost-efficient.

Through the implementation of a platform-independent Java program, not only can I simplify Mr.Gopal's restaurant management practices, but also reduce the time taken to conduct them. Instead of writing down every order by hand and storing it in an account book at the end of the day, tasks such as bill printing and account calculation could be done with a simple click. Java is also a language I am quite familiar with, which will let me create an efficient solution for my client.

Success Criteria

- A comprehensive, and easy to understand menu which will allow for simple navigation.

- Creation and Organization of a database/list of orders that are pending.

- Efficient storage of the order list into a permanent file.

- Ability for the client to add/modify/delete orders in the list.

- Creation and maintenance of database/list of available dishes in the restaurant.

- Ability to Print out a formatted bill of a customer's order.

- A manger module that can calculate total earnings for the day.

- An efficient search function to go through the database of dishes available.

Word count : 415 Words