Menu Planner Project

Vision Document

Revision History
Version: Inception Draft
Date: 03.03.2012
Description: First draft. Will be refined during elaboration.
Author: Oylum Alatlı, Önder Gürcan, Bekir Afşar

Introduction

We aim to implement a menu planner system for people who eat outside during the week. These people can nor find food suitable for their needs all the time since they may not know which restaurant has food suitable for their diets and their tastes. These people may especially include employees and university students. Our system will propose a restaurant and a menu from that restaurant for each meal during the day to the user depending on his/her location information (the user will be tracked with gps), his/her prior meals during the day and his/her tastes.

Positioning

Business Opportunity

Although there are systems for ordering diet food from registered restaurants in the market, none of them follow the user through the day in order to offer food from a restaurant near the user's location, that suits the tastes of the user and prior meals of that day. Rather, these systems give the user a list of the restaurants for the location you have given the system as input. After a restaurant is selected, they list the restaurant's menus. It is totally up to the user to select a proper menu and they do not provide support for menu selection depending on healthy nutrition rules and user tastes. Moreover, they do not also list the alternative menus for a selected menu. The service is given for just one meal and a prior planning for the future meals in that week is not done.

Problem Statement

Present food ordering systems do not personalize their users. They do not recommend any menu, or analyze the food they list depending on healthy nutrition rules or user taste. This is a drawback for the users who wish to follow a healthy diet based on their personal tastes. Furthermore, present systems are unable to balance their customers' daily diet by keeping track of the meals their customers have during the day.

Product Position Statement

Our system will keep track of its customers geographical position and daily food intake. It will follow the customer with GPS and recommend healthy menus from restaurants that are near the customer. The customer will be able to ask for alternative menus too. The system will recommend menus suitable with the tastes of its customers. If a customer gives information about where he/she will be in the following five days, the system will recommend a five day meal plan for him/her. If a customer changes his/her position unexpectedly the system will recommend a new menu from a nearby restaurant instead.

Stakeholder Descriptions

Stakeholder (Non-User) Summary

Nutritionist

Specifies the menu according to the healthy nutrition rules and customer profiles.

User Summary

Customer

Needs a healthy meal plan so that he/she can follow his/her diet based on his tastes and healthy nutrition rules.

Restaurant

Wants to sell healthy food to nearby customers.

System Admin

Wants to administrate users, restaurant relations and recommendation rules.

Key High-Level Goals and Problems of the Stakeholders

High-Level Goal	Priority	Problems and Concerns	Current Solutions
accuracy	high	Difficulty in specifying menus according to user profiles	Existing systems show all menus, no relations between customer profile
guidance	high	Inability in following customers to recommend the nearby restaurant	Existing systems do not follow the customers location

orientation	high	Inability to recommend weekly menus plan to customers	Existing systems do not prepare weekly plan

User-Level Goals

The users (and external systems) need a system to fullfill these goals:

- Customer: create weekly meal plan, register, create profile, define anonymous customer, find menu, find restaurant, order menu, update profile,
- Restaurant: add plate, find nearby customer
- System Admin: start up, shut down, manage users, manage system tables

User Environment

The user can either go to a nearby restaurant or order a menu from a restaurant to his/her workplace.