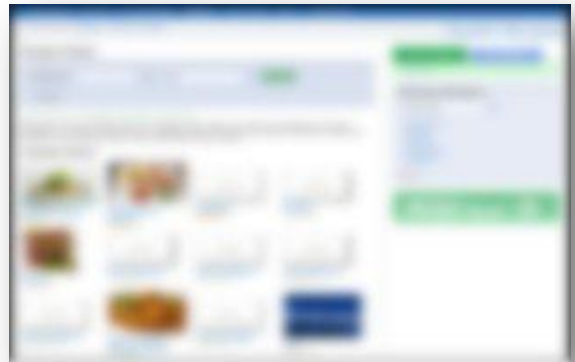# Weight Management System

An Umbraco CMS

Executive Summary

The need was to develop an online system which would help its users/ members stay fit by managing their obesity. The system was suppose to track the daily activities of the subscribed users which would include their diet plans, exercise frequency, online health training history, appointments etc.

The final product was required to have an automated SMS gateway which would send emails to all the users who are on a one-month trial subscription to encourage them to convert to paid subscription membership. PayPal would help trial users to convert to subscribed users. The SMS system also had to send out automated notices and alerts to users at all levels in the system if they missed out on any training sessions, appointment slots or forgot to make entries related to their diet plan.

Mindfire was approached to develop different modules that would serve users and meet the client's objective of developing such a system. The modules which were developed were: Appointment module, Doctor and health history module, Recipe module, SMS and Email for different role-based members for this CMS.

About our Client

Client Online Weight Management System | **Location** Australia | **Industry** Health Care

Business Situation

The client was aiming to create an online health management system, which can integrate Cognitive Behavior Therapy, Nutrition and Activity. The system needed to have a provision to put online Counseling & Activity sessions captured using webcams. To merge all the requirements and needs in a one place was a bit tedious job.

With these numerous objectives and critical business logic which needed to be implemented, the client approached Mindfire Solutions Umbraco team to find and propose a feasible solution. Mindfire team of experts took no time to start discussing about the specifications sent by the client and finally proposed a way to get a robust application in place.

Solution Details
The Mindfire Solution

Our team of experts was quick to read and understand the client's requirements and set about the development work without any delay. Understanding the workflow of the system was critical especially figuring out how to integrate into the system the Webcam Counseling and Activity sessions.

Required testing was done to check compatibility with the main system. Below is the list of modules developed along with their functionality:

Doctors Module:
  - Can View member/patient health history.
  - Can upload patient/member test reports.
  - Can add notes.

Appointment Module:

  - Appointments can be booked by members (platinum/ silver/ gold).
  - Can set/view Counselor and Trainer availability.

Recipe Module:

  - Admin can manage recipe and recipe Category.
  - Admin can manage Grocery and Grocery Category.
  - Member can view all types of recipes created by admin/dietitians.

Apart from all the module development work, our team was also responsible for database optimization. Once the system was developed and tested, the client was taken through the complete flow; each of the modules were covered and the required assistance provided wherever there was a need.
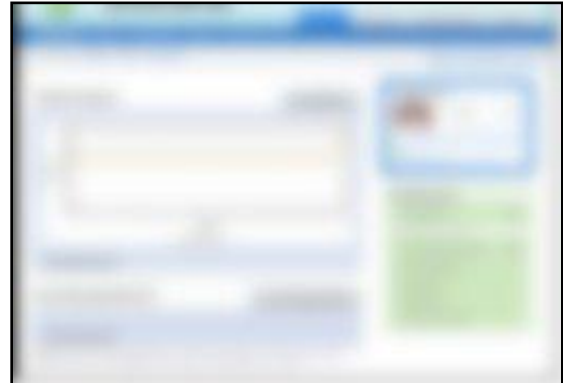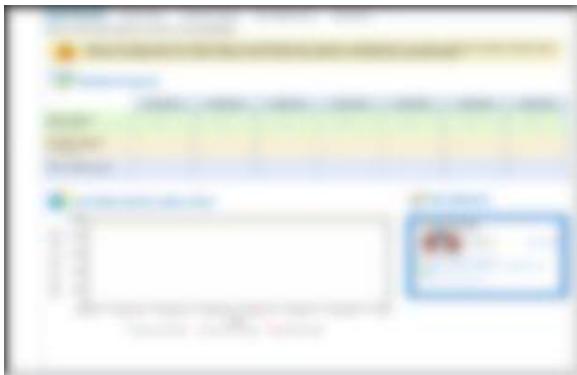
Achievements

Inspite of a wide range of tasks which were required to be done our developers exhibited great skill in delivering whatever was expected from the client's end. The client was very happy with the service provided and has currently given Mindfire the work of migrating the application to Umbraco 5.0

Technologies

ASP.NET 4.0 + ADO.Net, SQL Server 2008, HTML,CSS , XSLT, Jquery

Final Results
Software System

Customer Benefits

The client was happy with what was delivered. We were able to meet his expectations. It also in a way enabled him to enter a new geography in the healthcare market with this product.

Future relationship

A good experience with Mindfire Solutions has resulted in the client handing over some other projects to us besides considering us for future enhancements in this application.