V4U Website for Dementia Patients

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ABSTRACT

This project was developed for Callaghan Innovation who required a website to inform the general public and families about dementia. The V4U website give awareness about causes, effects and ways to overcome dementia to some extend as the disease is not fully curable. It not only gives awareness but also acts as a guideline for V4U application users.

Categories and Subject Descriptors

K.3.1 [**Computers and Education**]: Computer Uses in Education – *collaborative learning, computer-assisted instruction (CAI), computer-managed instruction (CMI), distance learning.*
This is just an example, please use the correct category and subject descriptors for your submission. The ACM Computing Classification Scheme: http://www.acm.org/class/1998/

General Terms

Your general terms must be any of the following 16 designated terms: Algorithms, Management, Measurement, Documentation, Performance, Design, Economics, Reliability, Experimentation, Security, Human Factors, Standardization, Languages, Theory, Legal Aspects, Verification.

Keywords

Keywords are your own designated keywords.

1. INTRODUCTION

Dementia occurs as a result of physical changes in the structure of the brain. These changes can affect memory, thinking, behaviour, personality and emotion. Because dementia is a progressive syndrome, symptoms will gradually worsen. The most common form of dementia is Alzheimer's disease, although there are several other forms. No single factor has been identified as a cause for dementia or Alzheimer's disease. It is likely that a combination of factors, including age, genetic inheritance and environment are responsible.

The purpose of developing this project for Callaghan Innovation was to inform the families of dementia patents and to give information about the related V4U ipad application which was developed in conjunction with this website. This project plan was brought forward for a Wellington based hospital. The project comprises of two parts, the website and application. The website part is developed to give awareness for the public about dementia, its causes and ways to overcome it, as it is not fully curable. The website gives detailed description about the application and its usage. The application was developed for dementia patients.

The design part of the website and application was done using HTML5 and CSS3, the backend is done using PHP, JavaScript and JQuery..

2. FUNCTIONALITY OF THE WEBSITE

2.1 Home

The home page gives the information about the hospital and the functionality of the hospital. It will provide the information about the resources of the hospital and the facilities provided.

2.2 About us

The about us page tells what the organization is about and how it provides the various facilities.

2.3 About dementia

The about dementia page gives information about dementia i.e. what is dementia, its symptoms and causes.

2.4 About V4U

This page gives information about our application, how to download the application. It also provides a link to download the application.

2.5 News and events

The news and events gives us the information about the latest progress reports and happenings of the hospital.
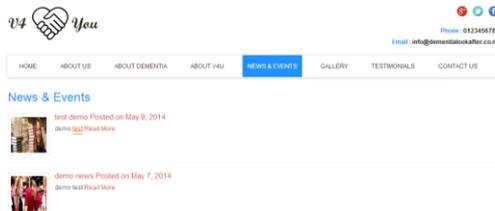
2.6 Gallery

The gallery has the pictures of the hospital, the patients, doctors and caregivers.

2.7 Testimonials

The testimonials page is for the life stories of the patients describing how their life got affected and what problems their families faced.

2.8 Contact us

The contact us page will provide the contact details of the hospital.

3. TECHNOLOGIES

The website was developed with HTML 5, a core technology markup language of the internet used for structuring and presenting content for the World Wide Web. CSS3, Javascript, php awere also used in the development. Bootstrap, which is a free collection of tools for creating websites and web applications, contains HTML and CSS-based design templates for typography, forms, buttons, navigation and other interface components, as well as optional JavaScript extensions.

4. CONCLUISION

The website was delivered within the required timeframe and met the requirements of the client. It included the information on the use of the V4U ipad application which was a part of the overall project. This project is very significant for us as we learnt team work, time management skills, project management, quality assurance and risk management as well as technical skills. We were pleased to be able to help dementia patients and their families using new technologies.

5. ACKNOWLEDGMENTS

Our thanks to Marcus King and Callaghan Innovation.