



FIT5032 Assignment 3 Design Report

Application Name: Hello World Programmer

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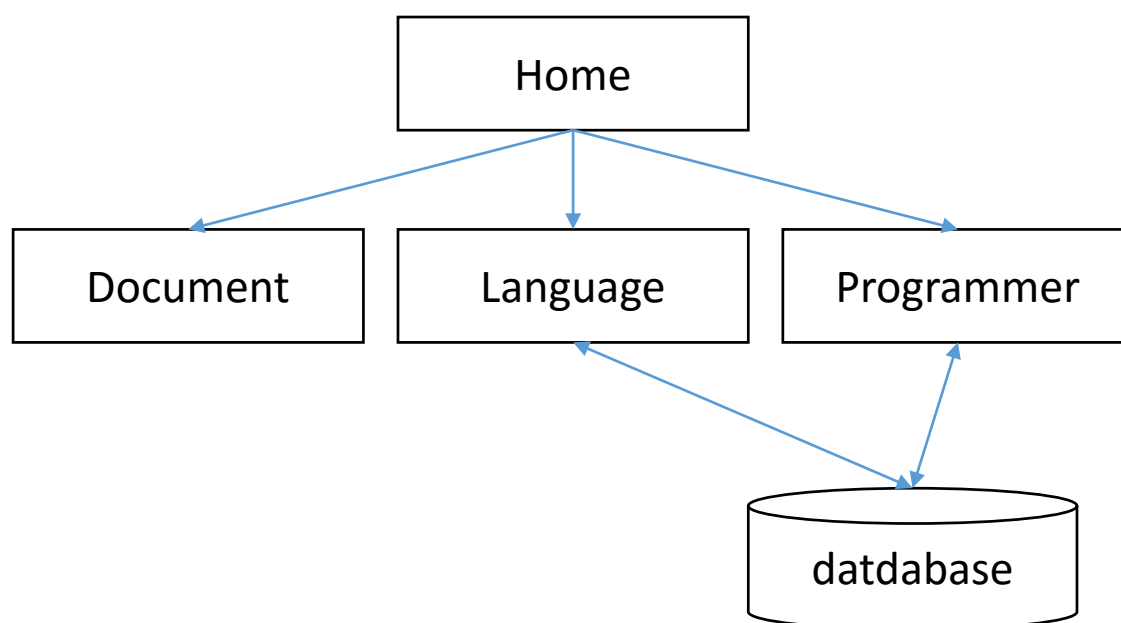
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Overview

My application is a web application based on ASP.NET technology and C# language, aiming to provide a web interface for customer of “Hello World Programmer” (HWP) company’s service. This application can provide information of HWP’s service, and the HWP company itself. Besides, it will also have a server-end database and some business logic methods based on it, with which, this application can provide functionalities such as user accounts with log-in/off functions, searching and booking service and tracking satisfaction and reviews of customers. It will provide a user-end interface for customer usage, and also a manager-end interface to manage all the users’ account and services orders.

Functional Diagram



Home:

This is the default page that automatically shows when the user link to this app. This page shows the basic information of the web application. Also, it provides some basic information about the company and its service.

Documentation:

This page provides detail information of the author and the assignment.

Language:

This page provides CRUD function of programming languages in the database.

Programmer:

This page provides CRUD function of programming languages in the database.

Core Program Functionality

This web application is developed by MVC. It contains two models, “language” and “programmer”, both have a table store in a database.

The home page and documentation page are basically static, just show the useful information. The language page and the programmer page however, is dynamic. MVC functionality and jQuery functionality are both provided. With those functionality, users can search, edit, add and view the detail of the record. Also, all records are sorted. Besides, highlighting function are provided. In the add sub-page under programmer page, a date picker is used, so the user can pick the date of the birthday.

Usability Design Review

Navigation

The navigation of the site is clear and easy to handle. All the links and menus are well placed and shows very clear the destination. Also, a path trace is shown in each of the page, increasing the navigation useability.

Familiarity

This site uses elements that all other site use. Besides, all the menus and elements are put in the place what the users are used to be. Some common elements like arrows and bold letters can also increase the familiarity useability.

Consistency

With the master page, style sheet and skin file introduced, all the pages share the same way to demonstrate content, making the user feel strong consistency during browsing this site.

Error Prevention

In this site, all of the input fields are check with validators, which highly reduced the happening chance of errors caused by wrong user input. Also, all the links and menus are checked to be valid with right destination to avoid link errors.

Feedback

According to feedback from alpha-test users, which is some friends of the author, the useability is quite good. They can easily access all the page they need to.

Visual Clarity

In this application, all the elements in all pages are clear placed in proper place. With the clean colours and some bold letters and lines, it is easy to read the content of the pages.

Flexibility and Efficiency

Flexibility and efficiency can't both achieve the highest at the same time. However, this application has achieved a very good compromise between those two. Many of the components are flexible and reusable, but overall the efficiency of the application is quite high too.

Check List of Site Functionality

	TICK if complete
1. Master Page	
Design	X
2. Home Page	
Design	X
3. Content Pages	
Design	X
Alphabetical list	X
Add Records	X
View Details	X
Edit Records	X
Delete Records	X
Add/Edit Validation	
Search Function (Custom Template)	X
jQuery Functionality	X
Additional Functionality	
Documentation	
Author/assignment details	X
Audit	
No breaking of copyright	X

User Story

I developed this application mainly is driven by the “pretty handsome awkward” situation of programmers. Nowadays basically everyone thinks that a programmer can deal with all the the computer issues, but the brutal truth is that many of the computer problems is not easy to handle. It is very boring and tedious to deal all the problems and dealing most of them is not helpful to learning skills or gaining experience. They are pure boringness. Therefore, I want to develop a web side that can help programmers to deal with all kind of computers issues, with the help of witch, every programmer can focus on what they want to create instead of what the have to face to. If every genius programmer can focus all their attention on the codes instead of IDE running the codes, he or she can defiantly create some masterpiece.

When a programmer with some troubles using the web application, he or she can view some solutions or book an appointment of the services. With the help of the pages or our technicians, the programmers can shake all the troubles off and concentrate on the creation.

Data Dictionary

