# Chapter I: Introduction Problem

***1. Introduction***

Today, in a context of increasing information and advertising products for very limited attention of each of us, to build an advertising program as an effective dialogue is not easy work and should must be very carefully prepared with a reasonable investment of time, people and money.

In the explanation, the groups will build auto to evaluate the concept map program, it will help people’s, special the student is easy to understand, remember the essential information in the lesson.

To build an advertisement campaign for a brand, the first thing to be done is to identify the target of this advertisement. An ad can be done with different intent as to increase person access in the web**.**

***2. The current system***

In the project, the program is built based on concept maps. It will define the following:

A concept map is a diagram that depicts suggested relationships between concepts. It is a graphical tool that designers, engineers, technical writers, and others use to organize and structure knowledge.

A concept map typically represents ideas and information as boxes or circles, which it connects with labeled arrows in a downward-branching hierarchical structure. The relationship between concepts can be articulated in linking phrases such as causes, requires, or contributes to.

***3. Boundaries of the system***

To meet the needs of people special the student , the group has set requirements for the is to build a system so complete. Currently the program offers features to users as follows:

* Login
* User
* Password

Home:

Introduction:

Contact:

Learn Online

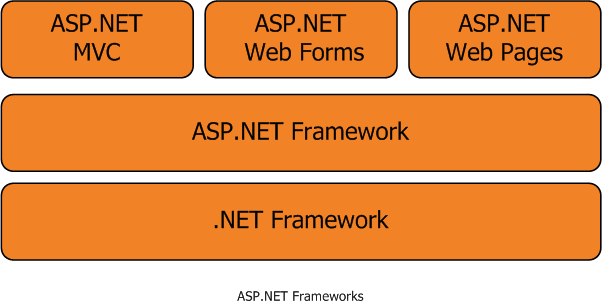
***-Description function of System: ……………***

# Chapter II: Introduction about Technology is used in the explaination

1. ***Software***

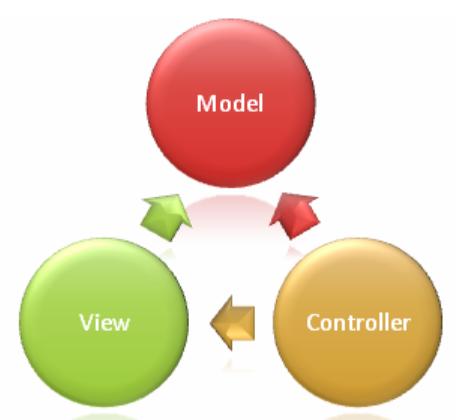
* Visual Studio 2012
* SQL Server 20012

1. ***Introduction about MVC model***
   1. *Introduction*

* ASP.NET MVC 4 is a framework for building scalable, standards-based web applicationsusing well-established design patterns and the power of ASP.NET and the .NET Framework.In this article I will give an introduction to ASP.NET MVC4 from a **beginner’s**perspective.
* This article is meant for all kind of beginner users who wanted to get started with ASP.NET MVC 4. I have included a small comparison between ASP.NET MVC and ASP.NET Web forms for those who have already explored ASP.NET Web forms
* Currently ASPNET MVC 4 is supported in Visual Studio 2010 and Visual Studio 2012, previous versions of Visual Studio does not support ASP.NET MVC 4 as of now. If you don’t have ASP.NET MVC 4 in your box then install MVC 4 for Visual Studio 2010 or else use Visual Studio 2012 to get started with this article, You may refer Setup Environment article for more installation details/procedures.
  1. ***What is ASP.NET MVC?***
* ASP.NET MVC is a web application development framework built on top of Microsoft’s .NET Framework. ASP.NET Web Form was a replacement for Microsoft’s [Active Server Pages](http://en.wikipedia.org/wiki/Active_Server_Pages) (ASP) but ASP.NET MVC is not a replacement for ASP.NET Web Forms and it’s just an alternate way of making an ASP.NET website.
  1. ***Why MVC ?***
* ASP.NET MVC helps to reduce the complexity of the web application by dividing an application into three layers, Model, View and Controller. This separation (loose coupling) helps in some long term benefits like isolation of components while development and also this separation provides better support for test-driven development (TDD). ASP.NET MVC web site are good in performance and also easy to maintain.
  1. ***MVC release history***
* The Current Version of ASP.NET MVC is 4 and it was released on 15th Aug 2012. ASP.NET MVC 4 is packaged with Visual Studio 2012 and MVC 4 can be installed for Visual Studio 2010. Below I have mentioned the release history of ASP.NET MVC.

|  |  |
| --- | --- |
| **Date** | **Version** |
| 10 Dec 07 | ASP.NET MVC CTP |
| 13 Mar 09 | ASP.NET MVC 1.0 |
| 16 Dec 09 | ASP.NET MVC 2 RC |
| 04 Feb 10 | ASP.NET MVC 2 RC 2 |
| 10 Mar 10 | ASP.NET MVC 2 |
| 06 Oct 10 | ASP.NET MVC 3 Beta |
| 09 Nov 10 | ASP.NET MVC 3 RC |
| 10 Dec 10 | ASP.NET MVC 3 RC 2 |
| 13 Jan 11 | ASP.NET MVC 3 |
| 20 Sep 11 | ASP.NET MVC 4 Developer Preview |
| 15 Feb 12 | ASP.NET MVC 4 Beta |
| 31 May 12 | ASP.NET MVC 4 RC |
| 15 Aug 12 | ASP.NET MVC 4 |

* 1. ***MVC architecture***
* The Model-View-Controller (MVC) pattern is an architectural design principle that separates the application components of a Web application into three layers. This separation gives you more control over the individual parts of the application, which lets you more easily develop, modify, and test them.



MVC\_Architecture

* **The Model**
* Model contains and exposes the properties and application logic  In a better way we can say that The model represents core business logic and data.
* **The View**
* The View is responsible for creating the response HTML or any responses back to the browser like pdf, html or excel etc. In other way we can sat that the view is responsible for transforming a model or models into a visual representation.
* **The Controller**
* Controller is responsible for processing user inputs from view and give responses back to the view. It means that the controller decides the action and performs the tasks/logic based on the parameters.Controller acts as the coordinator between the view and the model.

# Chapter III: Interface Design Document

Login:

Home:

Introduction:

Contact:

Forum:

Learn online:

….

# Chapter IV: Database and Design the Program

## Database

## 4.Entity Relationship Diagram

* 1. *Symbol system*

|  |  |
| --- | --- |
| **Sysmbol** | **Notes** |
| **Entity** | *Table of database* |
|  | *Properities of table* |
| Relationship | *Relationship* |
|  | *Attribute* |
|  | *Relation: 1 - N* |

* 1. *Analysis of Databse design*

ConceptAll

ConceptAll

*------------------------------------------------------------------------------------------------------------*

ConceptForQuestion

ConceptForTopic

*------------------------------------------------------------------------------------------------------------------*

Level

Level

*-----------------------------------------------------------------------------------------------------------------------------*

Link

Link

*-----------------------------------------------------------------------------------------------------------------------------*

LinkOfMap

LinkOfMap

*-----------------------------------------------------------------------------------------------------------------------------*

MapOfUser

MapOfUser

Topic

*-----------------------------------------------------------------------------------------------------------------------------*

Topic

*-----------------------------------------------------------------------------------------------------------------------------*

TopicOfLevel

TopicOfLevel

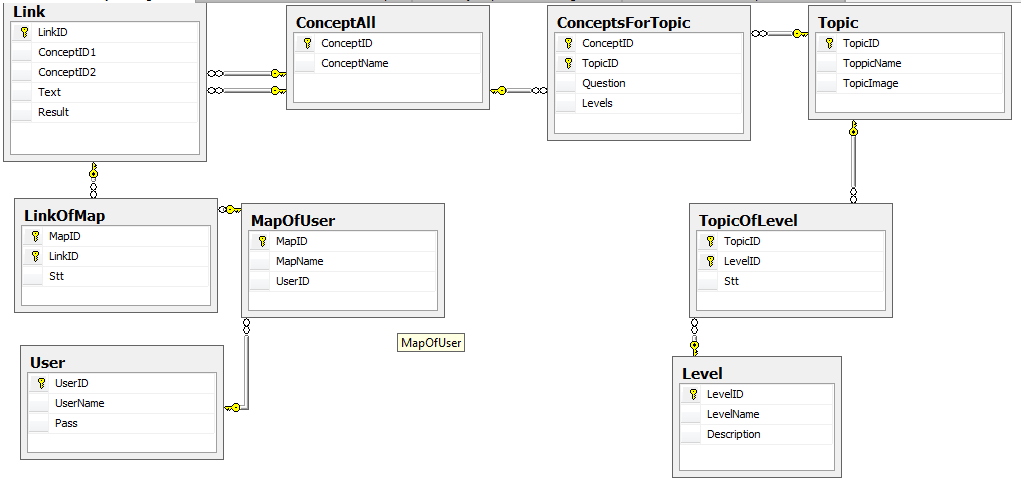
*-----------------------------------------------------------------------------------------------------------------------------*



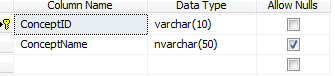
User

User

* 1. *Entity Relationship Diagram*

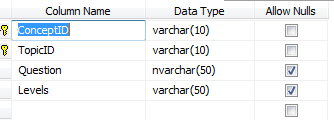


* 1. Database structure



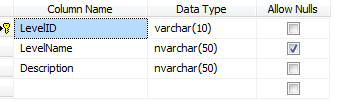
ConceptAll Table

*---------------------------------------------------------------------------------------------------------------*



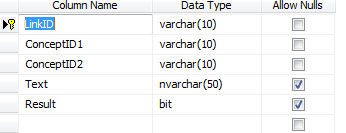
ConceptForTopic Table

*-----------------------------------------------------------------------------------------------------------------*



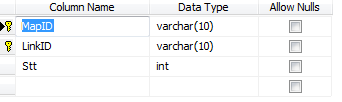
Level Table

*-----------------------------------------------------------------------------------------------------------------*



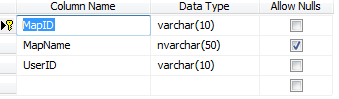
Link Table

*-----------------------------------------------------------------------------------------------------------------*



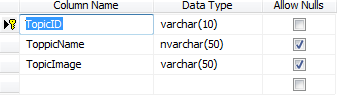
LinkOfMap Table

*-----------------------------------------------------------------------------------------------------------------*



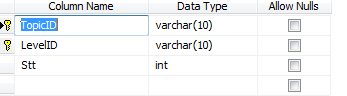
MapOfUser

*-----------------------------------------------------------------------------------------------------------------*

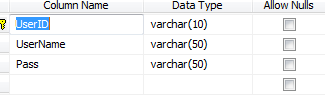


Topic Table

*-----------------------------------------------------------------------------------------------------------------*



TopicOfLevel Table



User Table

*-----------------------------------------------------------------------------------------------------------------*

# Chapter V: Install Program and Demo

Install Program:

Install to guide:

Install Visual Studio 2012

Demo:

# Chapter VI: The following Conclusion and Development

Tài liệu tham khảo

<http://www.codeproject.com/Articles/470107/ASP-NET-MVC-4-Part-1-Introduction>