



Online Health and Fitness Store

Developed By: Group 4

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Web Database Development

Instructor: Dr. Morris Liaw



ACKNOWLEDGEMENT

It is a matter of great pleasure for us to submit this project introduction on “**Online Health and Fitness Store**” as a part of our Web Database Development Course. We are thankful to Dr. Morris Liaw as an instructor and to Preeti Dubey as a teaching assistance at UHCL for their continuous guidance and encouragement for developing this project work.

Yours faithfully,
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PROJECT SUMMARY

The main purpose of the project is to help people who are interested to stay healthy and to get fit through a number of nutrition and diet tips and fitness related products. This application guides the users to choose from many fitness related products, nutrition supplements which will be available on the store and a number of workout routines depending on the type of body-shape the user is longing to achieve. There will be separate workout routines and dietary tips provided to the user based on the age , sex , height , weight and the current body type(endomorph , ectomorph , mesomorph) they belong to. This system is developed fully in ASP.Net along with C# as a server side scripting language. The project will manipulate the ASP.Net web application to work with the database and which helps users to have a user specific workout routine and access multiple products on the store which include Home page, Contact us page, Login page, Store page, Nutrition products page, Fitness equipment page, Workout routine page, Motivation quotes page, Cart page.

The system is divided into various modules which are responsible for providing various functionalities to the system. Each module in the website corresponds to a sub process either related to new registration or records of already registered users.

TECHNOLOGY AND LITERATURE REVIEW

The Existence of Multiple Independent Technologies is developed in past that serves the different facilities but all Technologies were different independent and Separate. Consider standard ASP wherein the server side scripting was embedded into the same page. We took on the ASP.Net technology, wherein not only the server side scripting code was separated from the client side code but also provided us with an Object Oriented approach for the current system.

SOFTWARE AND HARDWARE REQUIREMENTS

MINIMUM SOFTWARE REQUIREMENTS:

Application Software	Web Browser (Google Chrome, Internet Explorer, Firefox etc.)
Minimum Operating system	Windows XP, Windows 10

MINIMUM HARDWARE REQUIREMENTS:

Processor		P4
Minimum Memory Required	[Ram]	512 MB
	[Hard disk]	

HARDWARE LIMITATION:

System integration, the process of putting hardware, software and people related to the system together for making a system. It is done incrementally so that sub systems (modules) are integrated one at a time. Interface problem between sub system and actual system usually found at the stage of integration which causes the hardware limitation.

Purpose:

Purpose of developing this project is to provide an easy way to search for the dietary plan, workout routine and get detail information about different workout products to have a fit and healthy body with different packages.

Scope:

By using this application, the user can select a particular diet and fitness routine which will be preserved and can be viewed only by the authenticated.

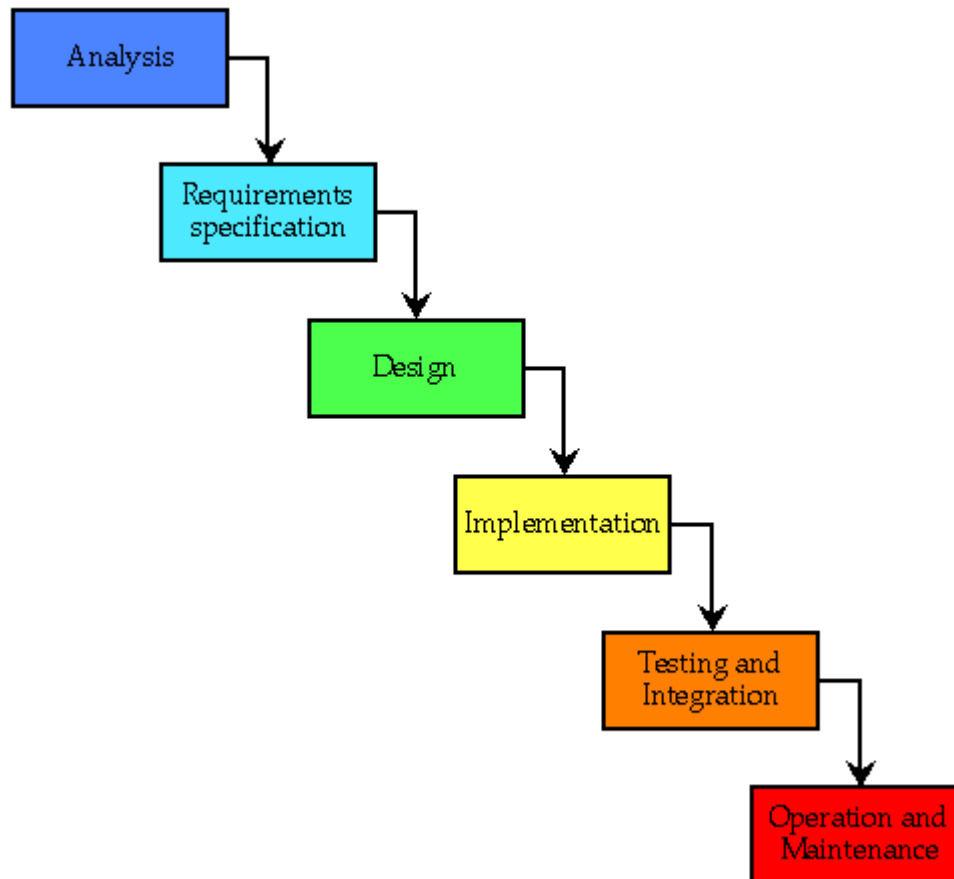
SAFETY SECURITY CONSIDERATION:

The system provides basic security to user's account. All users' accounts are secure by password mechanism. If any security violation is found, then the service will be blocked. Unauthorized user cannot login to this system. This system provides security facility in which Login Id and password verification is required. User should Login with authenticated Login id and password. Only authorized user can have access. Failure to Login into this system will not allow the user to access the application. If user forgets his password then the system provides the user to change the password by verifying the user through a security code sent to the user's E-mail.

WATERFALL MODEL:

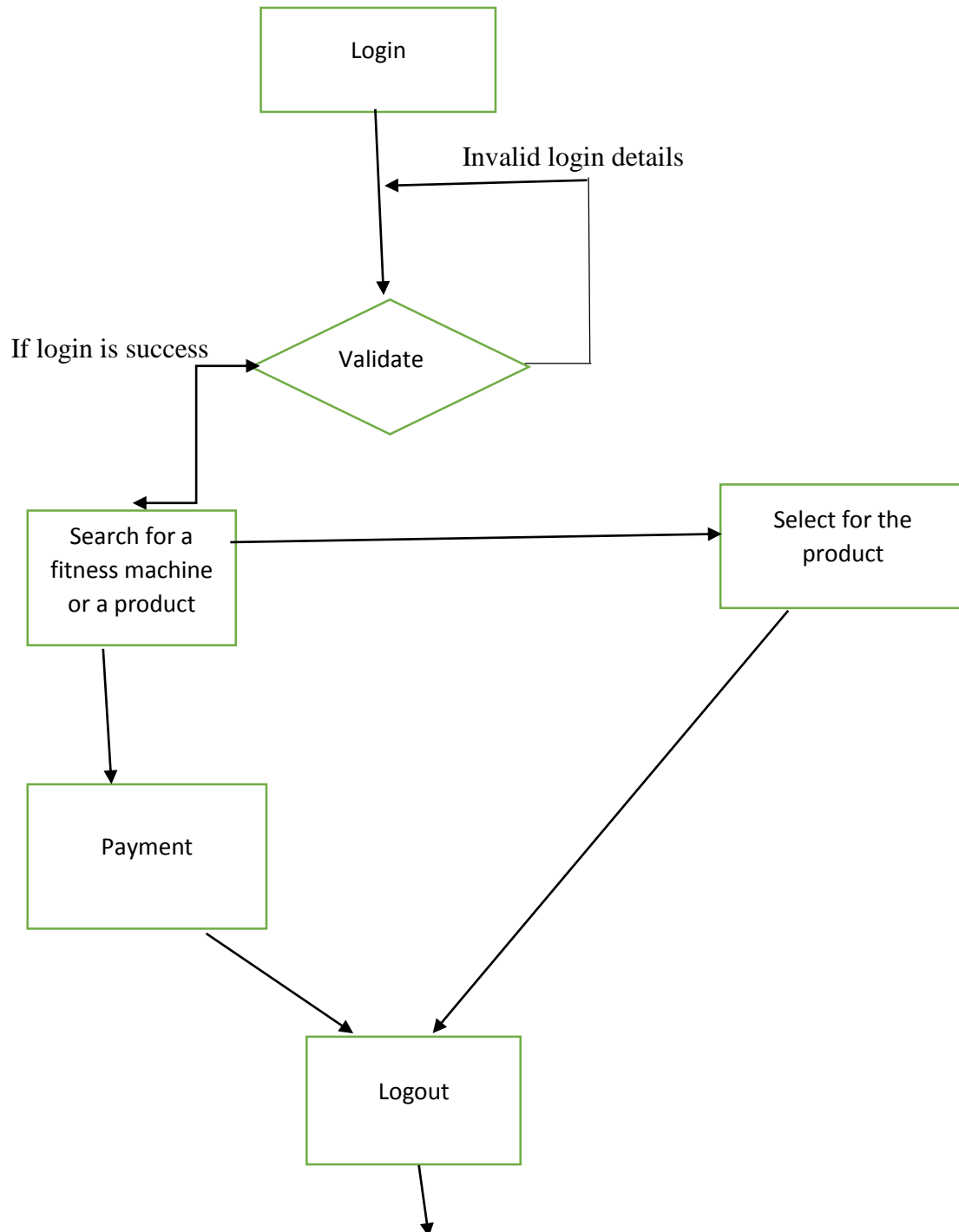
In the Waterfall model, it is proceeded to the next phase only after each phase is finished. The output of one phase acts as the input for the next phase

sequentially. Reviews may be done before moving in to the next phase which has the possibility of changing. Reviews may also be done to ensure that the phase is complete. The waterfall model doesn't encourage revisiting and revising any phase before its completed.



The sequential phases of the waterfall model are:

- Requirement analysis and specification.
- System design.
- Implementation.
- Testing and Integration.
- Deployment of system.
- Maintenance.

FLOW CHART OF WEBPAGE:



Steps to develop and deploy the application:

- Visual Studio 2013 was used to create and compile all data into a single project.
- Once all pages are created, the connections are made to navigate from one page to the next, then specific implementation of requirements are started.
- General design was established with a basic flow of pages described along with basic information needed/tracked on each page.
- HTML and ASP elements were analyzed to evaluate which best fits the need of the page at the time of execution.

LIST OF TESTING USERNAME and PASSWORD:

Testing Username	Testing Password
gunnasanju@gmail.com	Sidharth89
mvravitj8@gmail.com	Raviteja9

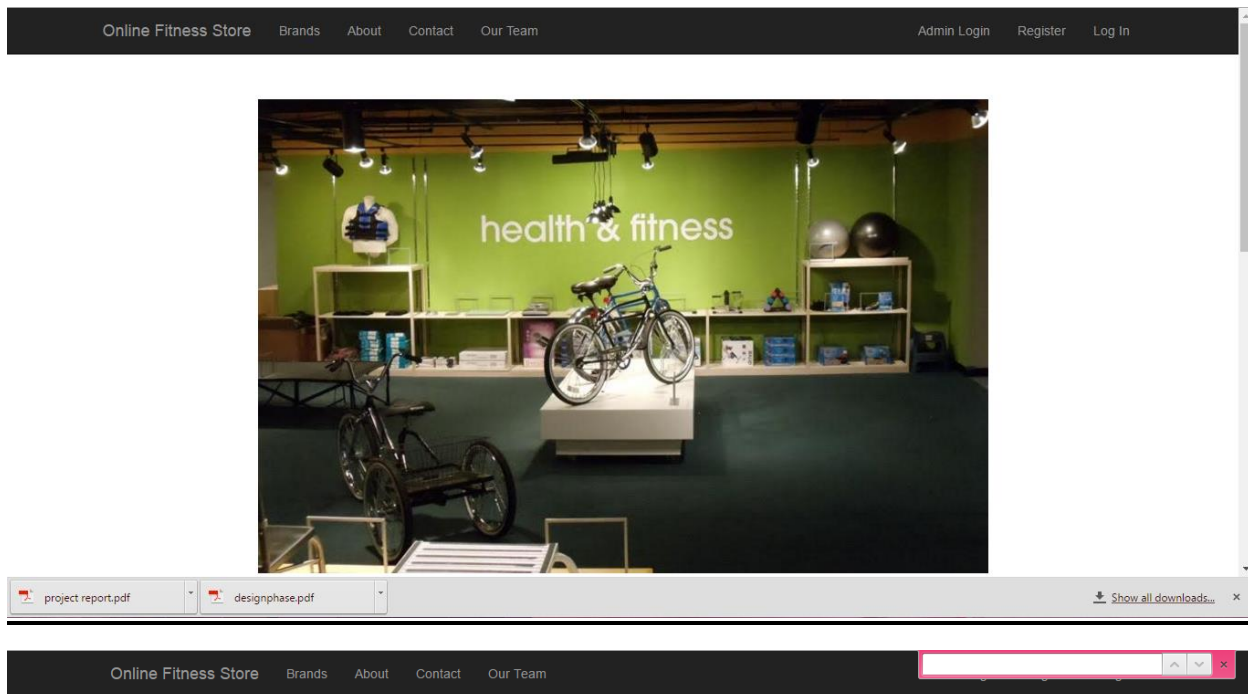
TESTING:

Testing involves how to plan testing before we are going to start making test suite. First step of testing is to test the System Module-by-Module that is once the module has been completed we test the module. Second step we have tested all the modules by merging them together. White box testing and Black box testing is used. In white box testing structural testing is done and finally when the project is completed black box testing is used to test the whole system together.

Design phase document for your group project:

Group Member	Role	Presentation Id
Sidharth Parwanda	Core Programmer	06
Sanju Gunna	Designer	09
Riyaz Hirani	Information Architect Specialist	07
K Harsha Vardhan	Database and DCM Server Administrator	26
Aalekhya Marella	Web and content flow Designer	23
Venkata Ravi Teja Mummadi	Content Producer and Testing	25

OUTPUT SCREEN:



About.

This application provide users with flexible search of different gym equipment for sale.

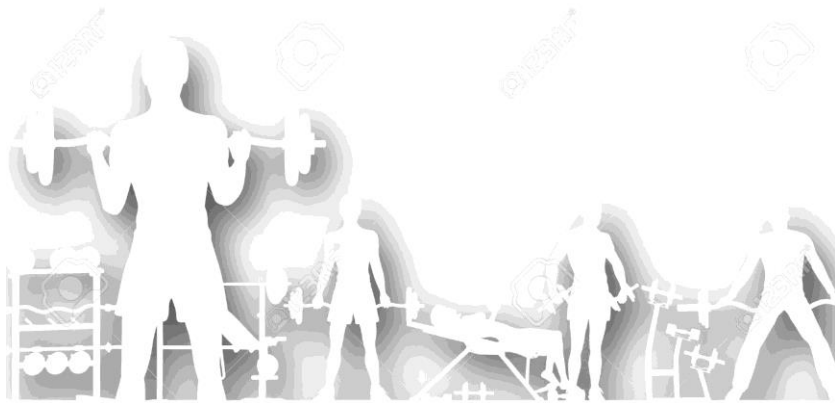
The user can search for different models of equipment and buy it.

Every user can search for equipment but a registered user can only buy an equipment.

User can register by providing some details like first name, last name, identification number like passport number or driver's licence number or social security number.

Using login credentials like username and password a user can login and book a equipment. Users can also see suppliments and workout tips if they are logged in. By using different payment methods he/she can pay the amount.

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Contact

Our Team

Admin Login

Register

Log In

Log in.

Email

Password

☐ Remember me?

Log in

[Register](#) if you don't have a local account.

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Register.

Create a new account.

First Name

Last Name

Gender

☐ Male

☐ Female

Email

Phone Number

Address

Password

Confirm password

Register


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Brands



dcm.uhcl.edu/c563316sp01g4/search.aspx?name=MATRIX

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Equipment Name: ASCENT TRAINER
Brand Name: MASTROX
Cost: \$450
Available: 5

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Admin Log in.
Use a local account to log in.

User name

Password

☐ Remember me?

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GROUP ACTIVITY RECORD:

Meeting number	Day	Time	Activity
1	27 th January,2016	1 P.M to 4 P.M	Requirement Analysis

2	3 rd February,2016	1 P.M to 3 P.M	Design Phase 1
3	10 th February,2016	1 P.M to 5 P.M	Design Phase 2
4	17 th February,2016	1 P.M to 2 P.M	Design Phase 3
5	24 th February,2016	1 P.M to 2 P.M	Database creation
6	2 nd March,2016	1 P.M to 3 P.M	Coding Phase 1
7	9 th March,2016	1 P.M to 3 P.M	Coding Phase 2
8	16 th March,2016	1 P.M to 3 P.M	Coding Phase 3
9	23 rd March,2016	1 P.M to 2 P.M	Coding Phase 4
10	30 th March,2016	1 P.M to 2 P.M	Deployment To DCM Server
11	6 th April,2016	1 P.M to 3 P.M	Testing Phase 1
12	13 th April,2016	1 P.M to 3 P.M	Testing Phase 2
13	20 th April,2016	1 P.M to 4 P.M	Final Deployment

FUTURE ENHANCEMENT:

As part of future enhancement we will include notifying the customer about the purchase of his product, customized dietary and fitness tips to the end users based on their age, sex, height and weight and also suggest the food supplements based on the user body-type.

ISSUES ENCOUNTERED:

We encountered a timeout error as we tried opening it in different applications. This has occurred because each of our group members have tried running the application on different system and phones. The application didn't run when opened in another system. Below is the screen shot of the error that we got while executing the project. The memory allocated in the server was full. We then tried again after refreshing the server and it worked well after that.

Server Error in '/c563316sp01g4' Application.

Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached.

Description: An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

Exception Details: System.InvalidOperationException: Timeout expired. The timeout period elapsed prior to obtaining a connection from the pool. This may have occurred because all pooled connections were in use and max pool size was reached.

Source Error:

```
Line 176:           List<User>  
users = Application["user"] as  
List<User>;
```