



Daffodil
International
University

PROJECT REPORT ON

SOCIAL GROUP

Course title: .Net Programming with Lab

Course code: SWE 313

Submitted to:

Asif Khan Shakir

Lecturer

Department of Software Engineering

Daffodil International University

Submitted by:

Dibas Debnath

ID: 152-35-1247

Sec: C

Department of Software Engineering

Daffodil International University

Abstract:

This Web Service helps the users to Communicate Between themselves in a secure way This website contents 3 main features which are:

1. Password Protection
2. Account System
3. Status Chat

This feature helps the user to manage his or her everyday memoire. The system has a very strong password protection and has a unique personal look. It contains the way to save memory with time date and title. Also Show data according to Date Time.

User interface of the program is very good and beautiful. User has the flexibility of using the software according to his or her will. The reason to build this software is to give user the power to make their own shared world and make the program to help them better their social life.

All of the data of the user is very secure and not accessible without the use of the software and web itself is well protected. The website is user proofed in many ways and has a lot of boundaries that prevent user from hanging or destroying the files of the software. All in all it can be a very useful website in our day to day life.

Acknowledgement:

I have created this program using “Visual Basic” with C# and ASP.Net Compiler from Microsoft. It is created for Web Browsers. I have used C# programming Language to make this program and total program was created with ASP .Net Framework. I have used lot of Files such as

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Web;  
using System.Web.UI;  
using System.Web.UI.WebControls;  
using System.Configuration;  
using System.Data;  
using System.Data.SqlClient;
```

My Course Teacher “Asif Khan Shakir” helped me in a lot of way to give me ideas and gave me solutions for many problems that we encountered during the development cycle of our project work.

I also took help from many sources and books which we gave as reference at the end of this report.

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Introduction:

This is a report of a Web based software called “Social Group”. Which was created for users to share their personal data and information in an organized way. This website intended to have three main functions.

They are: 1. Password Protection

2. Log in

3. Personalized Status Share

In my report I described in several sections that how we developed and designed the software.

The First Section gives an idea about the primitive state of the software and how it was intended to be designed and implemented throughout our work and shows various diagrams about the basic fundamentals and design of the software.

In the next section I will describe our software implementation and how the software was built with screenshots and some important code. This will give total idea of our work process and how the software reached this state and its efficiency.

I will also discuss about my problems with the software and where I was unable to implement what I have intended in the primitive state of our development. Some of the features that were originally intended we were not able to do and for that limitation I couldn't reach the expectation of mine for the website.

Then I will discuss my experience while creating the website and what I have learned during the development of the software.

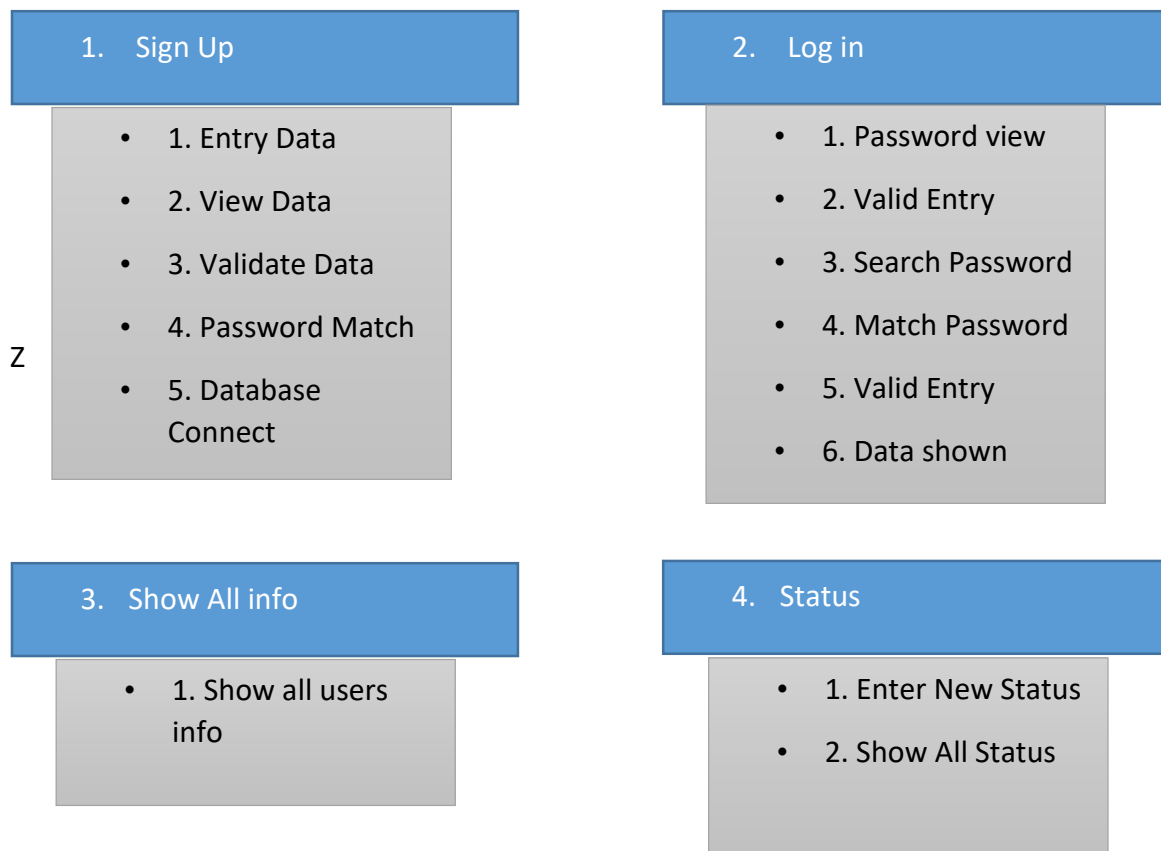
Now, Let's Start Discussing about the design of the software:

Design:

The total application was designed in the Visual Basics. Visual Basic is a cross-platform IDE, designed to be extensible and configurable. Runs on Windows and Linux.

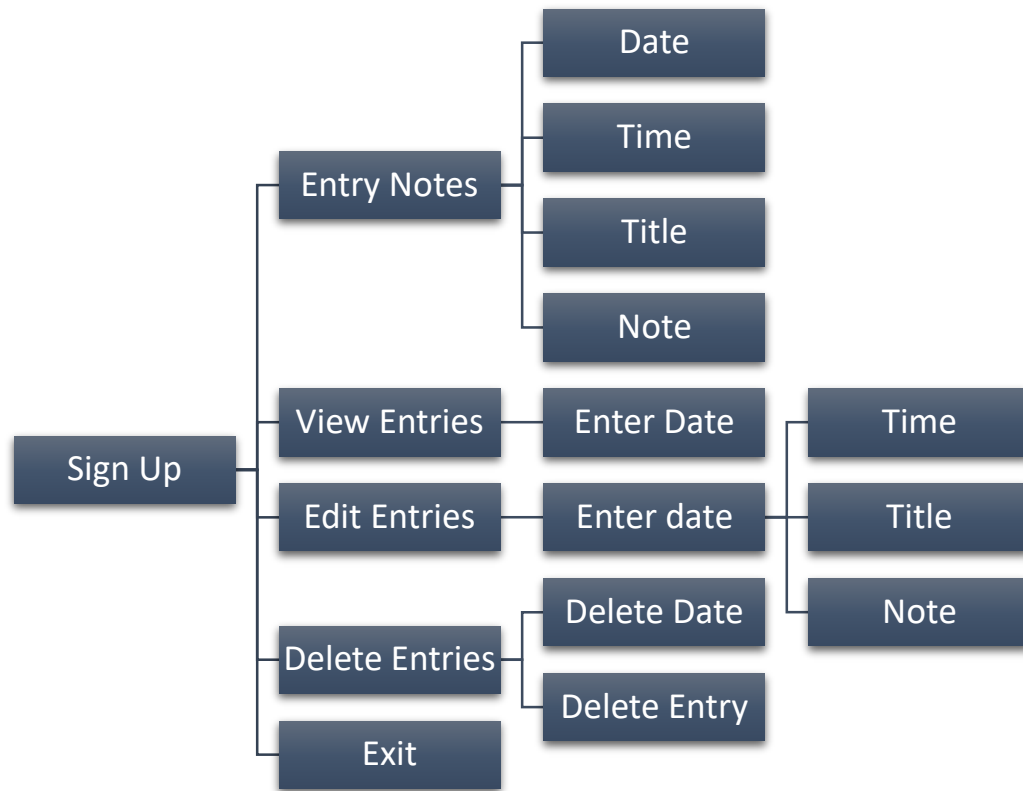
This program is a web based application but it has the potential to be a Graphics User Interface website. The reason I just did web form is because my time was limited and my knowledge is little about GUI so we could not implement that in here.

Here is the diagram of our Main Menu with Sub Menu:

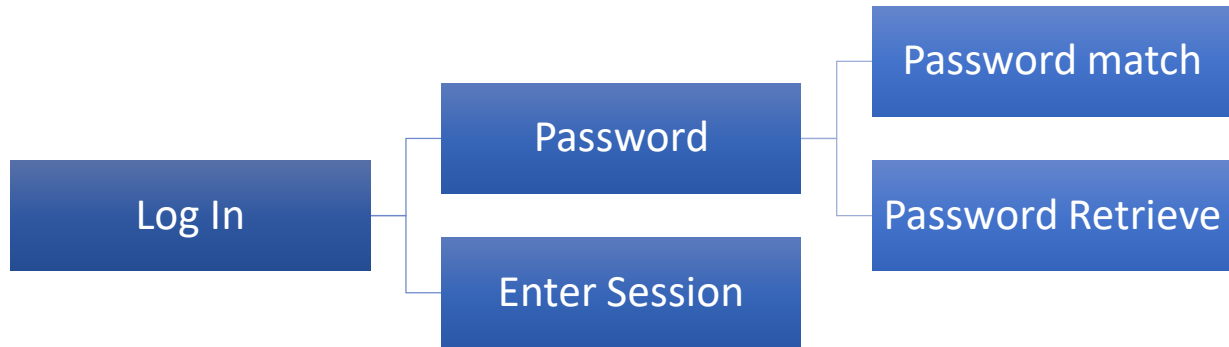


This is the Original menus that I created for the user to interact with the Software.

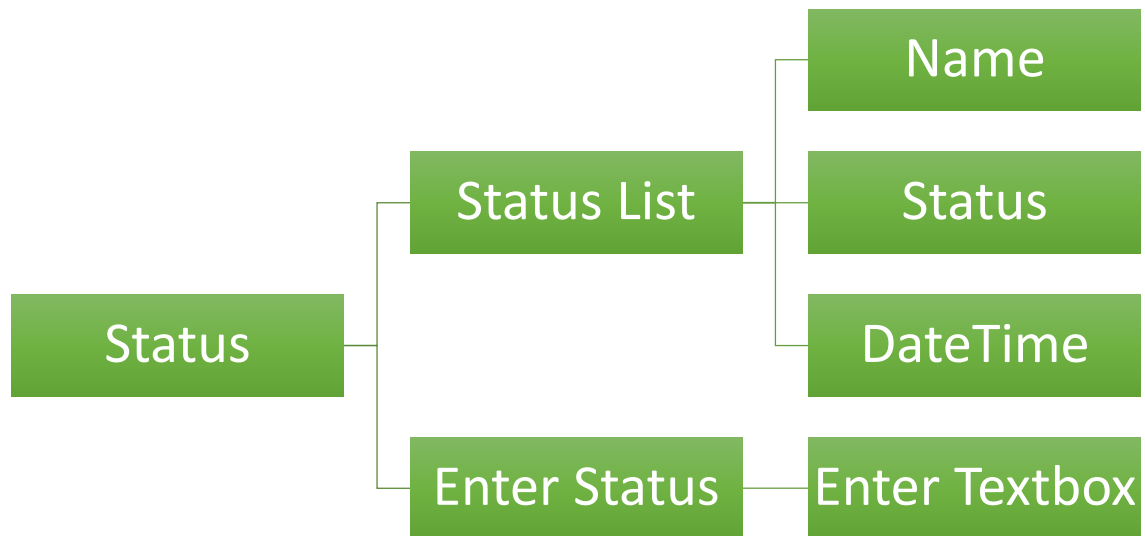
Sign up Menu Diagram:



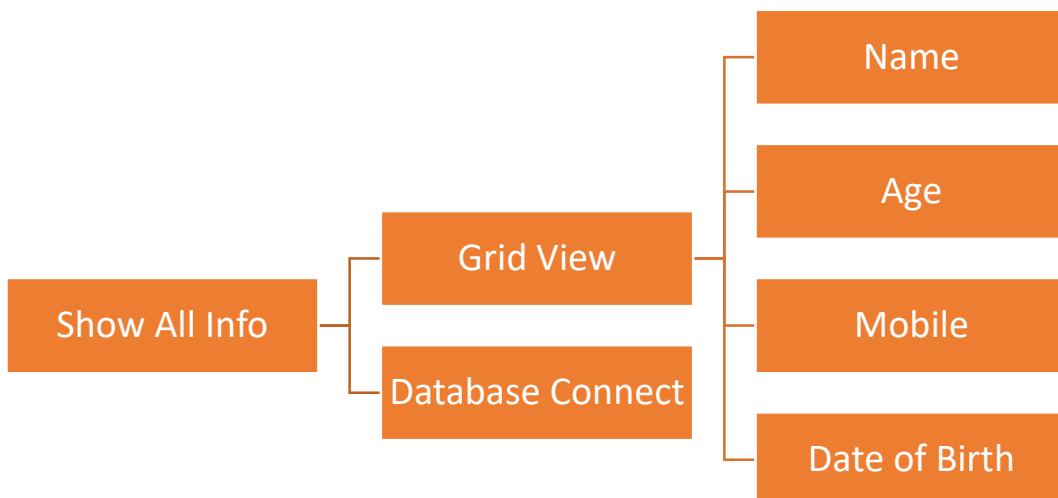
Log in Menu Diagram:



Status Menu Diagram:



Show all info Menu Diagram:



User Interface:

Color Code:

ID	Name	Gender	Date of Birth	Age	Religion	Email	Phone
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound

I have used Color Code. A little Touch of Beauty.

Log in Menu:

Log In

ID

Enter Only Number

Password

Log in Succes

Log in Failed

Log in

Your Informations

ID	Name	Gender	Date of Birth	Age	Religion	Email	Phone
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound

Delete Account

Requirements for Name:

1. First letter of the name Must be Capital Letter
2. Name Must Be Longer than 2 letter and shorter than 20.
3. Name cannot have any numbers or symbols.

Requirements for Password:

1. Password Must Have at least one Capital Letter
2. Password Must be longer than 5 letter
3. Password must have at least a Number.

If these requirements are not met than the system won't accept the Name or password.

Failed attempt to change the password:

Log In

ID Enter Only Number

Password

Log in Succes Log in Failed

Log in

Location of the password file in Hash file in database :

Email	Phone	Password	ID
dibas@gmail.com	1672744997	93FE83BF08B5FFD9EEA2C74A6522BF8B	4
awda	1672744997	93FE83BF08B5FFD9EEA2C74A6522BF8B	6
sadawfaasd	1672744997	D1C3384FB451D369E1FD054B5DBF49F5	9
sadawfaasd	1672744997	955CCFFE26E5AC09EA41F17EEC03E974	10

1. Sign up :

Please Enter Your Informations Below

Name*	<input type="text"/>	Atleast 5 Charecter and Does not Contain Number or Sign td Required																																																	
Gender*	Male <input type="button" value="v"/>	Is Required																																																	
Date of Birth*	[Label6] <input type="button" value="x"/> < August 2017 > <table><tr><th>Su</th><th>Mo</th><th>Tu</th><th>We</th><th>Th</th><th>Fr</th><th>Sa</th></tr><tr><td>30</td><td>31</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td></tr><tr><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td></tr><tr><td>13</td><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td></tr><tr><td>20</td><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td></tr><tr><td>27</td><td>28</td><td>29</td><td>30</td><td>31</td><td>1</td><td>2</td></tr><tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr></table>	Su	Mo	Tu	We	Th	Fr	Sa	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	Is Required
Su	Mo	Tu	We	Th	Fr	Sa																																													
30	31	1	2	3	4	5																																													
6	7	8	9	10	11	12																																													
13	14	15	16	17	18	19																																													
20	21	22	23	24	25	26																																													
27	28	29	30	31	1	2																																													
3	4	5	6	7	8	9																																													
Age	[Label5] <input type="button" value="x"/>																																																		
Religion*	Muslim <input type="button" value="v"/>	Is Required																																																	
E-Mail ID*	<input type="text"/>	Is Required																																																	
Phone Number	+880 <input type="text"/>	Phone Number not eligible																																																	
New Password*	<input type="password"/>	Password Did not Match																																																	
Confirm Password*	<input type="password"/>	Atleast one number and a Capital Letter Required Password Should be atleast 5 charecters Long																																																	

Error Problem Signing Up

Congrats You Have Succesfully Loded In, Please Remember Your ID for Log in : [Label9]

2. View All

ID	Name	Gender	Date of Birth	Age	Religion	Email	Phone
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound

3. Status:


My Social Group

Sign Up

Log in

Show All Info

Status

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MainContent (Custom)

Update Your Status:

asp:Button#Button4

Update

Log Out

Status Must not Exceed 200 Charecters

Name	Status	Date Time
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound
Databound	Databound	Databound

4. Log In:

MainContent (Custom)

Log In

ID

Enter Only Number

Password

Log in SuccesLog in Failed

Log in

asp:GridView#GridView1

ID	Name	Gender	Date of Birth	Age	Religion	Email	Phone
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound
Databound	Databound	Databound	Databound	Databound	Databound	Databound	Databound

Delete Account

Testing:

To check the programs activity in every aspect I needed to test it with all possible inputs of data. I tested all the fifteen functions. I tried to test with all possible input for a specific function and then carried out the testing. Testing the function who has main menu in it that mean the function which can run by itself, was easy but testing the auxiliary function is not easy. I have three function who have main menu. Other 12 Class was hard to test. I tried our best to check all worst possible input. I got a lot of successful test with errors and handled the errors by correcting and adjusting the codes. In the final test, I passed almost everywhere in every function. So we will Rate Our Program 8 out of 10.

Strong and weak Points of the Program:

After Completing the Tests and Doing All the Analysis I have found some strong points of the software.

- 1. The Password System is Very strong and beautifully coded and guarded.**
- 2. Hiding password as the user enters is a very good feature.**
- 3. The Show all is not the strongest but it has useful functionalities**
- 4. The Sign up System is very good with varieties of options and possibilities**
- 5. Total Website is very smooth and easy to use and the user doesn't have to enter 'enter' all.**
- 6. Display features are nice and Color Coded with Varieties Color.**
- 7. File Handling system and organizing files are very easy.**
- 8. Website is very much user proof as the whole program has a lot of boundaries that the user can't get out of and cause the program to crash.**

However there are some feature that can be improved such as:

- 1. Show all must be an admin system**
- 2. Status Interactions can be improved.**
- 3. Like and Comment could not be added.**

Evolution of My Learning Experience:

At the start I really did not think that I will be able to do this type of project on my own. I was not that confident in myself but when I started working and ideas came very fluently and I was able to implement those ideas with my merit and implementation.

Things I learned:

- 1. Proper Use of Master Page**
- 2. How to build a very strong password protection**
- 3. How to create file outside of the main folder**
- 6. How to open, write, read from database.**
- 7. Editing technique**
- 8. Deleting technique**
- 9. How to make the program user proof**
- 10. Sorting strings with ASCII character code**
- 11. How to make program understand the keys user presses**
- 12. Proper use of Structure and design of ASP.Net**
- 13. Write code in short ways to save time**
- 14. Implementing and developing a Website from ground.**

Reference

Programming with C# – Byron Gotteried, Ph.D. 2003-2004

(Designing and Implementing Ideas)

ASP.Net Framework – Edition 2.1 E Balagurusamy

(File Handling)

Fundamentals of Computer Algorithms – Ellis Horowitz, SartajSahni, SanguthevarRajasekaran (File

Editing Deleting and Replacing Algorithms)

StackOverflow Website

(Accessed for various Helps)

Cprogramming.com

(Accessed for various Helps)

Visual Studio

(For Compiler Use)

Conclusion:

At the end of the day I am satisfied with the features that I created and the codes and ideas that I included and implemented throughout my working process of building the website. But still there are some features that can be improved and other features can be added to the website.

Features to be added or improved later on:

- 1. Admin management**
- 2. Data backup system**
- 3. Picture share**
- 4. Likes**
- 5. Comments**
- 6. Automatic time update**
- 7. Multiple User Identities**
- 8. GUI**
- 9. Event Handling**
- 10. File sharing among users**