Brian Olsen

PORTFOLIO

HTML/CSS

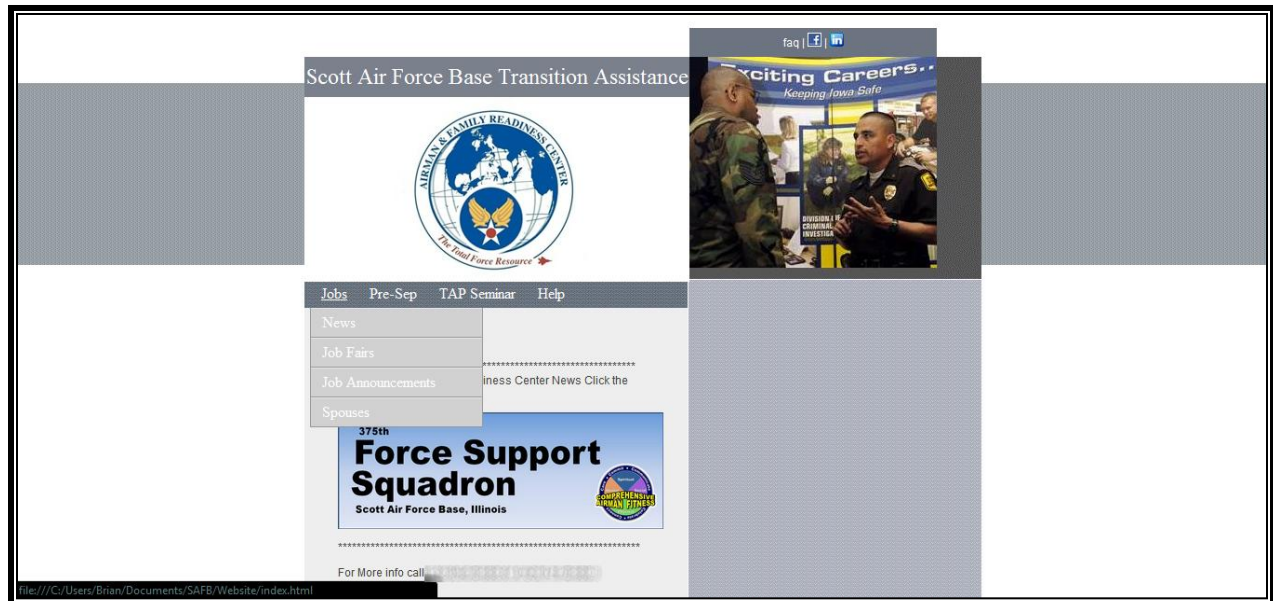Visual Basic

C++

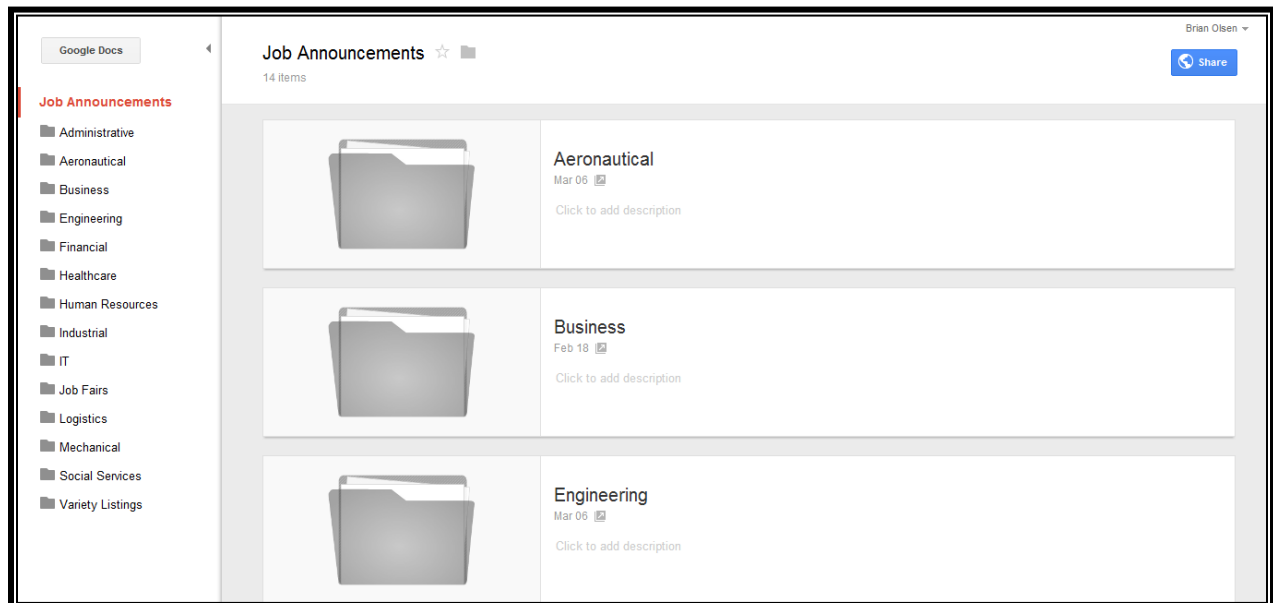Microsoft Excel

HTML/CSS

MAIN PAGE

GOOGLE DOCS - JOB LISTINGS
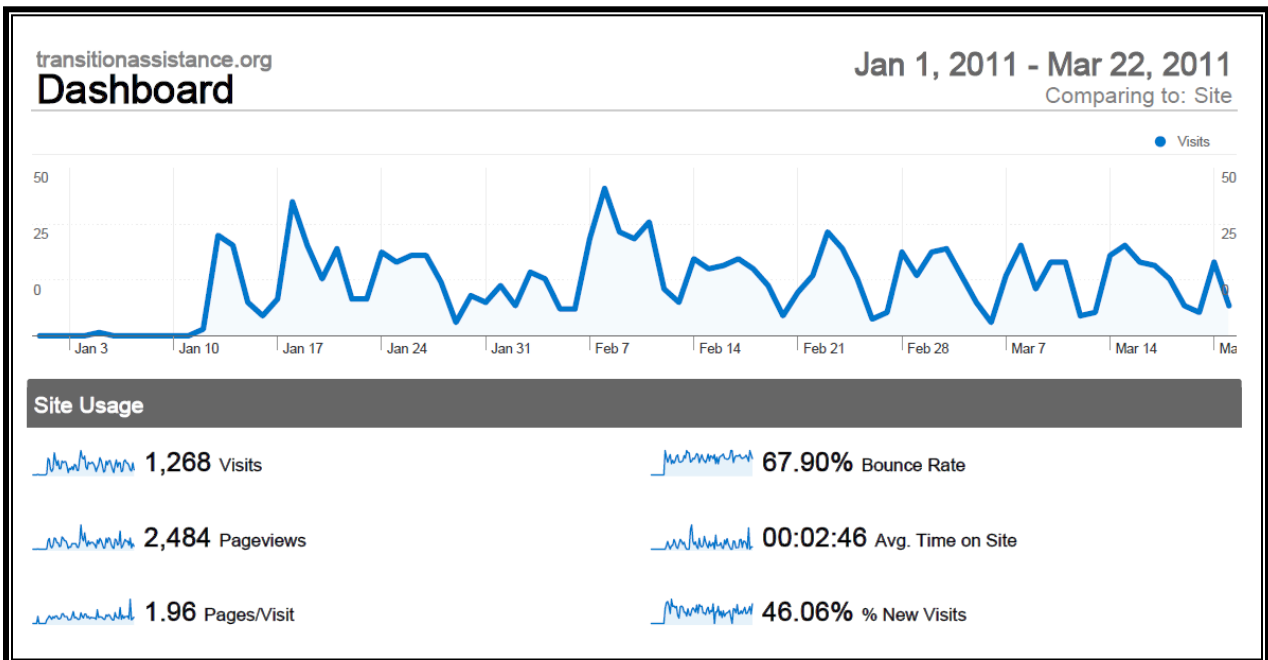
DOWNLOAD ASSISTANCE

Download Help

If you have any questions please email **the webmaster**.
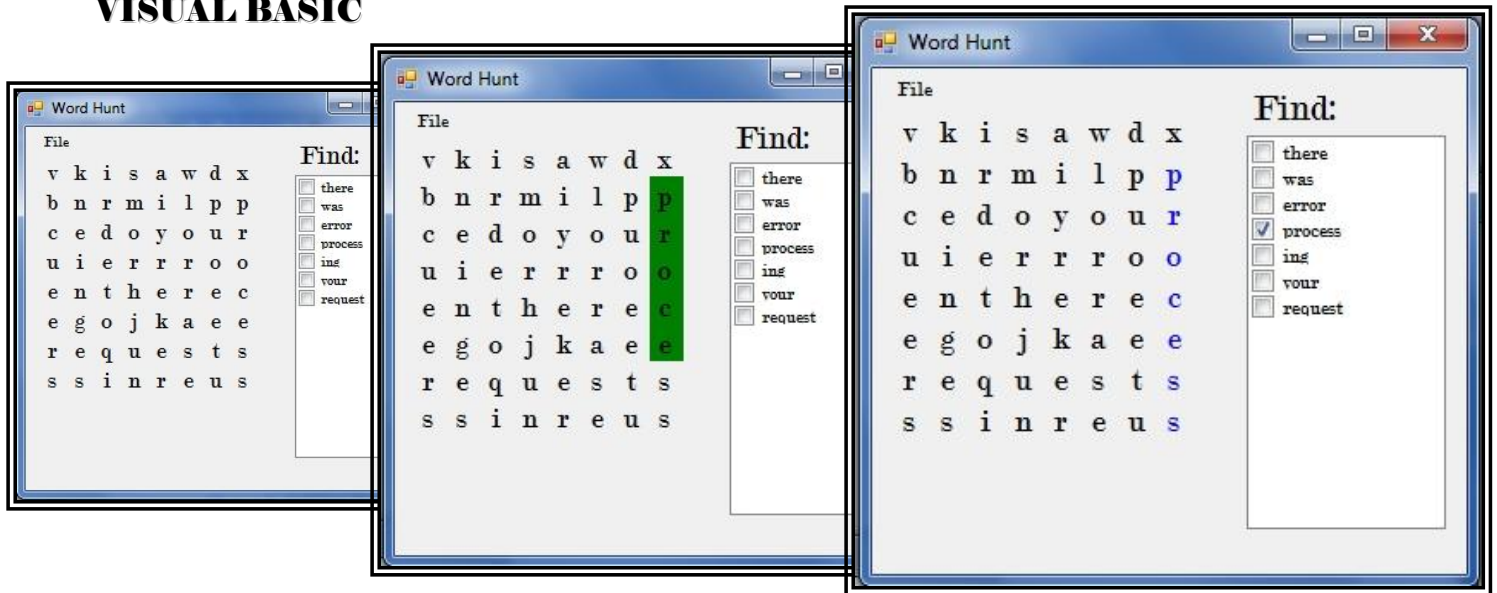
For More info call

CLIENT: AIRMAN & FAMILY READINESS CENTER
CLIENT DESCRIPTION: JOB FINDING AND TRANSITION ASSISTANCE
PROJECT BRIEF: I ESTABLISHED A WEBSITE THAT EXPEDITED THE JOB FINDING PROCESS FOR RECENTLY RETIRED MILITARY MEMBERS. I ALSO PROVIDED MANY USER FRIENDLY TUTORIALS FOR THE CLIENT AND TRACKED STATISTICAL DATA FOR THE COMPANY.

MONTHLY REPORT FOR THE WEBSITE

transitionassistance.org
Dashboard

Jan 1, 2011 - Mar 22, 2011
Comparing to: Site

● Visits

Site Usage

1,268 Visits	**67.90%** Bounce Rate
2,484 Pageviews	**00:02:46** Avg. Time on Site
1.96 Pages/Visit	**46.06%** % New Visits

VISUAL BASIC

COURSE: CS 275 – INTERACTION PROGRAMMING
PROGRAM DESCRIPTION: WORD FINDER APPLICATION THAT LOADS DIFFERENT WORD PUZZLES FROM A SAVED TEXT FILE.
COMMENTS: I CHOSE THIS CODE TO DISPLAY MY ABILITY OF PROBLEM SOLVING BY NARROWING DOWN VARIABLES TO SIMPLIFY THE ABILITY TO TRACK THE MOVES OF THE USER BASED ON THE PREVIOUS DIRECTION THEY HAD CLICKED ON.

```vbnet
If Not puzzleInUse Then
    Puzzle(i, j).BackColor = Color.Green
    puzzleInUse = True
    k = i + 1
    l = j + 1
ElseIf k >= 0 AndAlso l >= 0 AndAlso _
k <= rows - 1 AndAlso l <= cols - 1 AndAlso _
Puzzle(k, l).BackColor = Color.Green Then
    tempAngle = Nothing

    If i = k AndAlso Not l = j Then
        tempAngle = "HORIZONTAL"
        countOfUsedIndeces += 1
    ElseIf j = l AndAlso Not k = i Then
        tempAngle = "VERTICAL"
        countOfUsedIndeces += 1
    ElseIf i - j = k - l AndAlso Not i = k Then
        tempAngle = "ULDIAGONAL"
        countOfUsedIndeces += 1
    ElseIf i + j = k + l AndAlso Not i = k Then
        tempAngle = "LLDIAGONAL"
        countOfUsedIndeces += 1
    Else
        tempAngle = "BADPLACEMENT"
        k = i + 1
        l = j + 1
    End If
End If
```

C++

COURSE: CS 312 – INTRODUCTION TO ORGANIZATION AND ARCHITECTURE PROGRAM DESCRIPTION: PROCESSER SIMULATOR THAT READS IN BINARY FILES AND PARSES THEM INTO ASSEMBLY CODE INSTRUCTIONS. COMMENTS: I CHOSE THIS CODE TO DISPLAY MY ABILITIES OF OBJECT ORIENTED PROGRAMMING. DURING THE CODING IT WAS EASY TO MIX UP INSTRUCTIONS WHILE ABSTRACTING THE PROCESSOR. I MADE A CLASS TO ORGANIZE MY CODE AND MAKE THE CODING EASIER FOR MY GROUP.

```cpp
class Instruction{
        private:
                int memaddress,value,dest,srcRS,srcRT;
                string instruction,opcode,rs,rt,rd,sa,fcn,
                imm,jump;
                char validbit;
                Instruction* next;
                bool wasMoved,cacheMiss;

        Instruction(stringinstruction="",Instruction*next
=NULL):wasMoved(false),memaddress(memaddress),value(valu
e),cacheMiss(false),srcRS(srcRS),srcRT(srcRT){

        Instruction::instruction=instruction,
                opcode=instruction.substr(1,5),
                validbit=instruction.at(0),
                rs=instruction.substr(6,5),
                rt=instruction.substr(11,5),
                rd=instruction.substr(16,5),
                sa=instruction.substr(21,5),
                fcn=instruction.substr(26,6);
                imm=instruction.substr(16,16);
                jump=instruction.substr(6,30);
        }
```
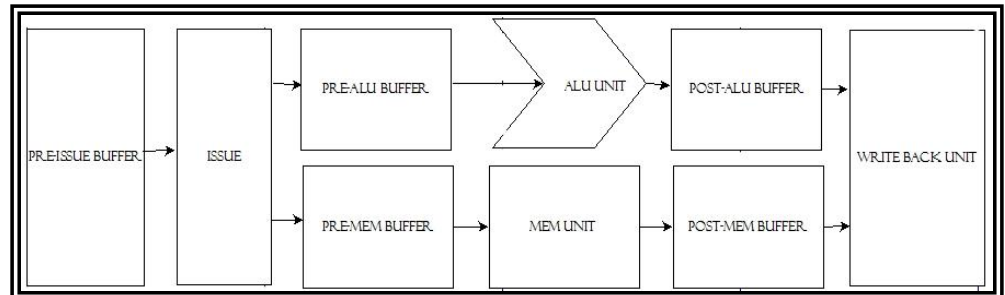
```
Cycle:5
Pre-Issue Buffer:
 Entry 0: [ADD R3, R3, R1]
 Entry 1: [ADD R3, R3, R2]
 Entry 2:
 Entry 3:
Pre_ALU Queue:
 Entry 0:
 Entry 1:
Post_ALU Queue:
 Entry 0:
Pre_MEM Queue:
Entry 0:  [LW  R2, 148(R0)]
 Entry 1:
Post_MEM Queue:
Entry 0:  [LW  R1, 144(R0)]

Registers:
r00:    0  0  0  0  0  0  0  0
r08:    0  0  0  0  0  0  0  0
r16:    0  0  0  0  0  0  0  0
r24:    0  0  0  0  0  0  0  0
```


ABOVE IS A FLOW DIAGRAM THAT DISPLAYS AN ABSTRACTION OF HOW THE PROCESSOR HANDLES INSTRUCTIONS.
TO THE RIGHT THERE IS A SAMPLE OF THE OUTPUT THAT DISPLAYS A SNAPSHOT DURING ONE CYCLE SHOWING THE LOCATION OF INSTRUCTIONS DURING RUNTIME. THE INSTRUCTIONS ARE DISPLAYED IN ASSEMBLY CODE FORMAT NEXT TO THE QUEUE THEY ARE LOCATED IN. THE STATE OF THE REGISTERS ARE ALSO DISPLAYED ON THE BOTTOM.

MICROSOFT EXCEL

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1		Knowledge Check Question Averages															
2		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Average Growth Percentage
3	Pre-Test	0.50	0.67	0.50	0.67	0.33	0.33	0.67	0.50	0.50	0.50	0.50	0.50	0.33	0.67	0.33	
4	After-Test	1.00	0.83	1.00	0.83	1.00	0.83	1.00	1.00	1.00	0.83	1.00	1.00	1.00	0.83	1.00	
5	Percentage Inc.	50%	17%	50%	17%	67%	50%	33%	50%	50%	33%	50%	50%	67%	17%	67%	44%

Percentage of Knowledge Increase

(chart: Percentage of Knowledge Increase)

Pre Test Results (1=Correct, 0=Wrong)

	S	T	U	V	W	X	Y	Z	AA	AB	AC	AD	AE	AF	AG
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	1	1	0	1	0	1	1	0	1	1	0	0	1	0	
	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0
	1	0	1	1	0	1	0	1	0	1	1	0	1	0	1
	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0
	0	1	0	1	0	0	1	0	1	0	0	1	0	1	0

CLIENT: AIRMAN & FAMILY READINESS CENTER
PROJECT BRIEF: I CREATED A SPREADSHEET THAT TAKES INPUT FROM OUR CLIENTS THAT MEASURES THE AMOUNT THAT THEY LEARNED DURING OUR VARIOUS CLASSES AND SEMINARS.

(chart: Year Totals — Quarter 1, Quarter 2, Quarter 3, Quarter 4)

Year Totals