

## CS 1344 (Fall 98) Programming in C

### Specific style and documentation pointers for Project 1

1. **Program header:** Look for the sample header in the Elements of programming style on the class web page or in your course pack.
2. Meaningful variable names. In addition, the purpose of every variable should be commented for its context.

```
int d;           // Bad style
int DollarCount; // Recommended style
```

3. Capitalization of constant names.

4. Vertical alignment of braces

```
int main(){      // Not recommended
}

int main()      // Recommended style
{
}
```

5. **Indentation:** Proper indentation is very important and improper indentation will be downgraded heavily. Every nested block should be indented properly to clearly indicate the depth of nesting.

```
int main()      // Poor indentation
{
while(...)
{
int grade;
}
.....
}
```

```
int main()      // Good indentation
{
    while(...)
    {
        int grade;
    }
    .....
}
```

6. Every major block should be commented for its purpose.
7. Ending blocks should be commented.
8. There should be error checking whenever you open files.
9. All opened files must be closed before exiting the program.
10. **Global Variables:** File-scoped (Global) variables are not allowed. File-scoped constants and type declarations are acceptable.
11. Zero and one should not be used for main() return status instead use EXIT\_SUCCESS and EXIT\_FAILURE.

These are only a few pointers, you should follow the style elements mentioned in the Elements of Programming style for all your projects.