Abstraction in coding is the process of hiding the complexities of a program while displaying only the necessary information to the user. It simplifies the process for the user by allowing them to focus on what the user wants to do, rather than all the processes that the program must do to accomplish a task. An example of an abstraction is the “print” function in Python or the “Console.WriteLine” function in C sharp. These functions allow the user to display a message to the screen with just a few keystrokes while the computer actually uses several thousand lines of code to process the message. The following code from my journal project demonstrates an abstraction:

public void LoadFromFile(string filename)

{

string[] lines = System.IO.File.ReadAllLines(filename);

foreach (string line in lines)

{

string[] parts = line.Split("|");

string date = parts[0];

string promptText = parts[1];

string entryText = parts[2];

Entry entry = new Entry(date, promptText, entryText);

\_entries.Add(entry);

}

}

In this example, the LoadFromFile method pulls the data from a saved file into the program so that it can be displayed. The program only needs to use a line of code “journal.LoadFromFile(filename);” to perform the function.