Tia Basak

Data Structures

Final Project

27 April 2016

**Final Project Data Structures: Date Book**

For the Data Structures final project I created a Date Book. It is basically a program that the user can insert dates and events and can organize themselves. It uses a perfect hash table of 12 one for each month and then uses a linked list for each of the dates. The features include inserting a date, by first inputting the month then the date, deleting a specific input date, deleting all of the inputs, printing the contents, searching an event by date, or searching an event by keyword. To run this program, first open the main cpp file titled Final Project along with the class file and the header file titled Datebook. If you are running this in Code blocks then you must include the “Datebook.cpp”. Then in the Final Project when you run it a Main menu should open where all the options are listed. Depending on the choice number you can input a month, date, and event. The only known bugs in this program is the Search by keyword doesn’t work properly. Right now a limitation that this program has is that you can only add one event per date. So that is an enhancement option.