Group G Project

Analysis Document

Anthony McBride, Amber Maynard, William Suter

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1. **Requirements:** The application must allow a user to keep track of their loved one’s special dates and wish lists. The application must also be capable of adding information regarding the user’s loved one’s special dates and wish lists.
2. **Analysis:**
3. Outside Systems: The user and a database.
4. Input Data: The user’s loved ones names, special dates (birthdays, anniversaries, etc.), and wish lists (such as desired gifts and life goals).
5. Output Data: The program must be able to display the users loved ones names, special dates, and wish lists.
6. Data Processing: The program will take data entered into a GUI (graphical user interface) and store the data into a database. The program will also retrieve and display the data via a GUI.

The following context diagram shows the outside systems, user and the database, as well as the user interface. The user interface serves as both the input and output system.

**Figure 1.**



The Special Dates/Wish List program consists of three key functions: Adding a new person to the database, adding special dates and wish lists for each person that exists in the database, and retrieving and displaying the special dates associated with a selected person. Each function (as well as the database and the GUI) is represented as a sub-system in the following sub-system diagram.

**Figure 2.**

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1. GUI/Input Interface: This sub-system takes information from the user (entered with a keyboard). The information that can be entered is the name of a person, special dates associated with a specific person, and wish lists associated with a specific person.
2. Add Person: This sub-system takes the name of a person (entered by the user via keyboard) and creates a directory in the database that will be used for the storage and update of information.
3. Add Special Dates/Wish Lists: This sub-system will allow the user to add additional data regarding a person’s special dates and wish lists to the database. The information is entered into the GUI via a keyboard, and the person to whom the data is associated with is selected by the user.
4. Database: The database will store data provided by the user. The data may be used at a later date to display information regarding a person at the request of the user.