**Project Analysis**

**CMSC 496 – 6380**

**Group 8**

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**Program Name: Forget Me Not**

**Date of Revision: 9/5/2018**

**Revision Number: 0**

**Revision History**

|  |  |  |  |
| --- | --- | --- | --- |
| **Revision Number** | **Date** | **Description** | **Name** |
| 0 | 9/5/2018 | Create document | Keith |
|  |  |  |  |

**Project Analysis**

Outside system:

the user

Input data:

name, occasion, date, wish list items; these are input by the user

Output data:

days left, reminder message; these are displayed to the user

Data processing:

store special dates in database, calculate days remaining, search database for entries

**Figure 1**

**Context diagram**

name; occasion; date; wish list

Forget Me Not system

User

days left; reminder message

Figure 1 shows the context diagram for this system. The only outside entity influencing Forget Me Not is the user. Figure 1 illustrates the data input by the user and the data output by the system.

**Figure 2**

**Subsystem diagram**

**Forget Me Not System**

entries

search request

request entries

entries

date

name; date; occasion; wish list

Search

days left; reminder message

days left; reminder message

days left

Alert

Date Check

name; occasion; date; wish list

User

Database

User Interface

The following are descriptions of the subsystems shown in Figure 2.

User Interface (UI):

The UI is where the user will interact with Forget Me Not. The UI accepts input from the user and displays information to the user.

Database:

The database takes the data (name, date, occasion, wish list) input to the UI and stores it.

Date Check:

The date check subsystem compares the current date to special dates stored in the database. If the difference is 7 or less days, the alert subsystem in enacted.

Alert:

When there are 7 or fewer days before a special date arrives, an alert is generated and sent to the user. The alert subsystem handles this.

Search:

This subsystem searches through the database, looking for special date entries that match a name or date the user is interested in.

The following table lists the subsystems that implement each requirement.

|  |  |
| --- | --- |
| **Requirement #** | **Subsystems** |
|  |  |