**Pseudocode:**

Variable, method, class names, and wish list size subject to change.

**Java:**

GUI DETIALS NOT INCLUDED.

**Main Class: (User Interface Subsystem)**

Class ForgetMeNot

GUI

String name

String occasion

Date eventDate = new Date(int year, int month, int date);

Date reminderDate = new Date(int year, int month, int date);

String[4] wishlist

Main method

**SQL Processes: (Handles input from User interface, Alert, and Search Subsystems)**

Class ForgetNotProcess

Method to convert input variables into an SQL statement as a string and pass to SQL database (User Interface to Database Subsystems)

Method to pass SQL statements to SQL database to handle search (Search Subsystem)

Method to receive date alerts from SQL and pass alerts to User Interface (Alert Subsystem)

**SQL: (Database and Date Check Subsystems)**

**Table Creation:**

CREATE TABLE FORGETNOT (

date\_ID int NOT NULL AUTO\_INCREMENT,

name VARCHAR2(30) NOT NULL,

occasion VARCHAR2(30) NOT NULL,

event\_date DATE NOT NULL,

reminder\_date DATE NOT NULL,

item1 VARCHAR2(20),

item2 VARCHAR2(20),

item3 VARCHAR2(20),

item4 VARCHAR2(20),

CONSTRAINT forgetnot\_pk PRIMARY KEY (date\_ID)

);

**Upon receiving input from Java:**

INSERT INTO FORGETNOT (name, occasion, event\_date, reminder\_date, item1, item2, item3, item4)

VALUES (‘name’, ‘occasion’,

TO\_DATE(‘event\_date’, ‘MM/DD/YYYY’), TO\_DATE(‘reminder\_date’,’MM/DD/YYYY’),

‘item1’, ‘item2’, ‘item3’, ‘item4’);

**Java Date query:**

**Days Left:**

SELECT reminder\_date FROM FORGETNOT f WHERE f.occasion=x.occasion;

**Alert/Search Retrieval:**

SELECT \* FROM FORGETNOT WHERE DATEDIFF(day, reminder\_date,

GETDATE()) = 0;