

Assignment 1-2 Revised Design and Documentation

Below is my updated UML Class Diagram which did not need to be revised very much for the 8 requirements I chose to implement. In my program I ended up implementing 4 classes: Main, User, Event, Calendar.

The main difference I had to account for was that in my original plan I didn't consider that I would need some sort of a controller class which I now have included as Main.java. This class handles all the user input collection and navigation as well as holding arrays of different users and their information. This was a crucial detail I forgot to account for in my original design that I included in this revised design.

The other change I had to make was removing the "AllCalendars" class I originally had that I was going to use to store each users' calendars in. Rather than creating a separate class for it I decided to add it as an array of Calendar objects stored within the User class to simplify the design. This made it easier for me to visualize without the complication of creating an unnecessary class just to store various calendar objects.

The last change I made was regarding the use of built in classes such as "Date" and "Timezone". Originally I thought I would manually calculate all these time changes and display the details in that way however as I began implementation I realized it would be easier and more accurate to import certain built in classes to handle that for me.

Those were the three main changes I made through implementation, and while some variables and functions were changed they were either simply removed because I realized I did not need them or I added some additional functions to assist with readability when displaying information. I did not need to implement all classes I originally outlined, as the assignment only required us to satisfy half the requirements, but I believe the rest of my design would be the same.

UML CLASS DIAGRAM:

