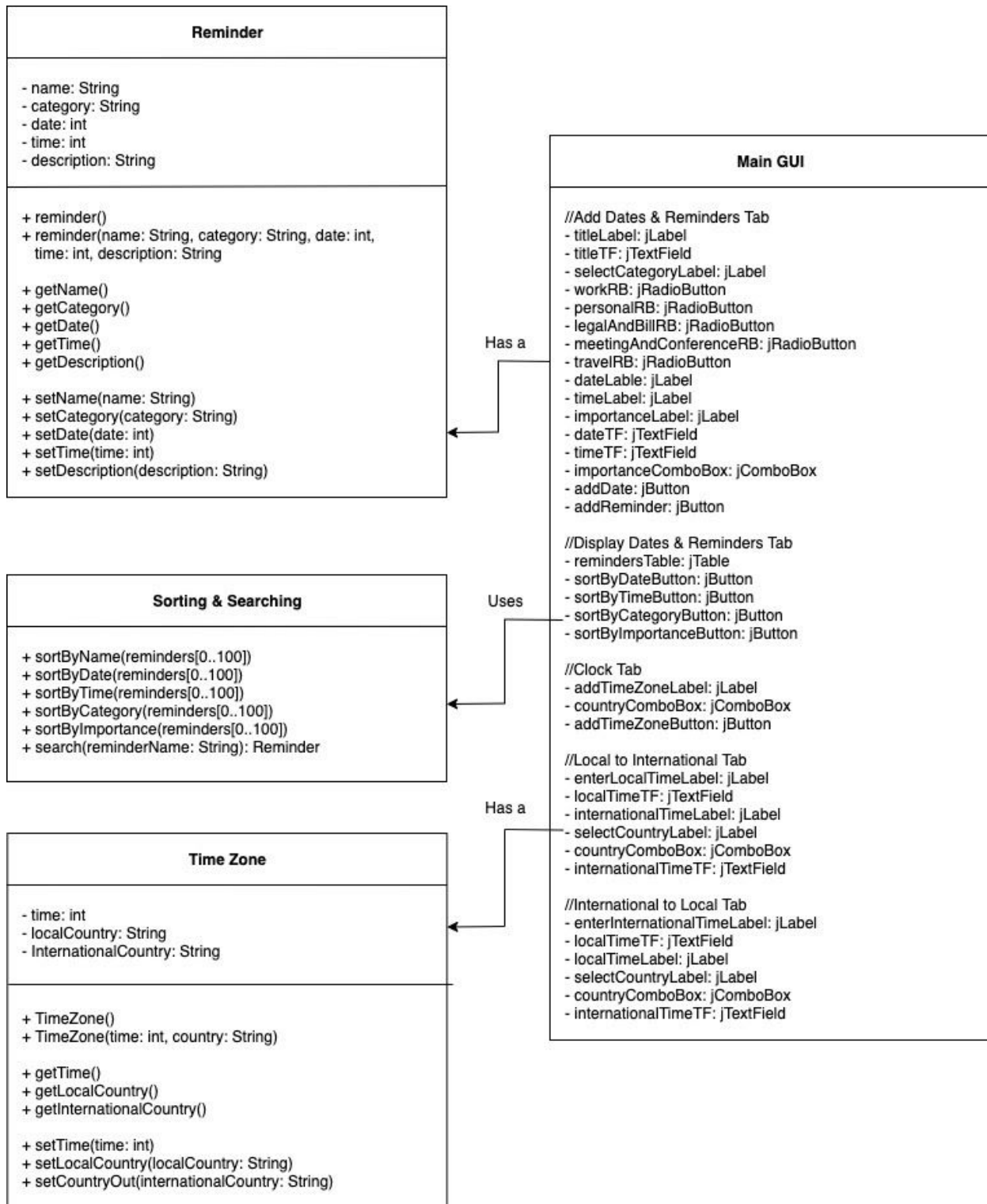


Criterion B

| Input | Data Type | Normal Range etc. | Example |
|-------------------|------------------|--|---------------------------------|
| Name | String | Within 250 characters | <i>Ex. Pay Electricity Bill</i> |
| Reminder Category | Reminder Object | Work, Personal, Legal & Bill, Meetings & Conferences | <i>Ex. Personal</i> |
| Date | Integer | 1-12, 1-31, 2019-2020 | <i>Ex. 19/02/2020</i> |
| Time | Integer | 00:00 to 24:00 | <i>Ex. 16:20</i> |
| Country | String | N/A | <i>Ex. Thailand</i> |

| Output | Data Type | Normal Range etc. | Example |
|---------------|------------------|--------------------------|---|
| Reminder | String | Max 100 words | <i>Ex. Reminder to pay electricity bill</i> |
| Time | Integer | 00:00 to 24:00 | <i>Ex. 16:20</i> |

Class Diagram



Edited Prototype

File Edit Help

Calender Clock Dates & Reminders

Select Time Zone: Item 1 Add Time

| | | |
|--|--|--|
| | | |
| | | |

Local to International International to Local

Enter Local Time: International Time:

Select a Country: Item 1

Select Time Zone:

Item 1

Add Time



Enter International Time:

Local Time:

Enter Time Zone:

Calendar Clock **Dates & Reminders**

Add Dates & Reminders Display Dates & Reminders

Title:

- Select Category:
- Work
 - Personal
 - Legal & Bill
 - Meetings & Conferences
 - Travel

Enter Date:

Enter Time:

Level of Importance:

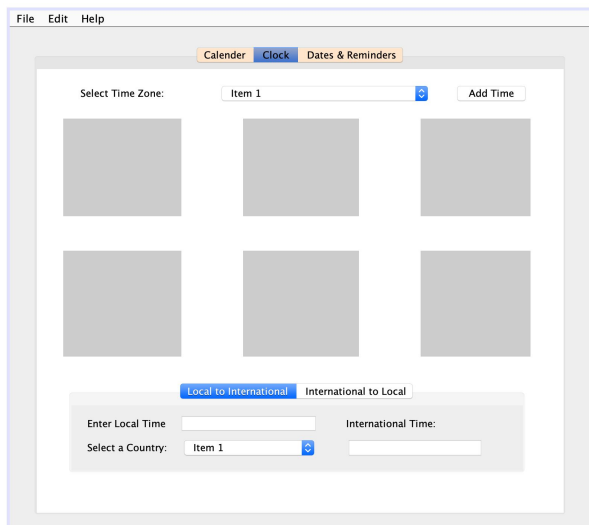
Add Date

Add Reminder

Chronological Development Plan

- I. GUI Coding
 - A. Make final changes in the GUI layout and format
 - B. Add variable names to all elements of the GUI
 - C. Program the function of the buttons
- II. Make template class for Reminders
 - A. Create attributes
 - B. Create set and get functions
 - C. Create method for notification
- III. Make template class for Time Zones
 - A. Create attributes
 - B. Create set and get functions
 - C. Make function for time zone conversion
- IV. Connect functions and GUI to database
 - A. Choose appropriate sort and program all sorts (for each attribute)
 - B. Program search for all reminders
 - C. Create an efficient way to store and display time zones and recent conversions
 - D. Embed calendar into programm

Testing Plan



Input -

- Local time
- Country to convert from
- Time Zone

Output -

- International time

| Input | Normal | Border | Abnormal | Extreme |
|----------------------|------------------|------------------------|---|--------------------|
| Local Time | 1500 | Max: 2400 Min: 0000 | Ex. 3678, letters | 234567890 |
| International Time | 1500 | Man: 2400 Min: 0000 | Ex. 3678, letters | 234567890 |
| Title | Electricity bill | N/A | only numbers | Over 50 characters |
| Category of Reminder | travel | N/A | something other than the given options | N/A |
| Date | 200120 | 311220 | any number smaller than 6 digits, letters | 010120 311220 |
| Time | 1500 | Max: 2400 Min: 0000 | Ex. 3678, letters | 234567890 |
| Level of Importance | medium | Low, high | any other words, numbers | N/A |

Criterion B Word Count: 122