Prioritize

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Data Dictionary

1. **Alarm** - More intrusive than a simple alert. Has a noise that will not stop until acknowledged by user.
2. **Alert** - A simple message sent to the user’s device. Unobtrusive and simple.
3. **Creation Date** - Day on which the reminder for an event was created. Will be a text based format. DD/MM/YYYY (Need to discuss this!)
4. **Creation Time** - Time at which the reminder for an event was created. Will be represented internally as military time, and will have an option to be shown as standard time.
5. **Database** - A structured set of data that can be searched and questioned by queries. Will be used to store the Reminder objects, and will use the SQLite language.
6. **Due Date** - Day on which the event will be due. Will be a text-based format. DD/MM/YYYY (Need to discuss this!)
7. **Due Time** - Time at which the event will be due. Will be represented internally as military time, and will have an option to be shown as standard time.
8. **Event** - The reason for creating a reminder in the first place. A thing that needs a due date and a reminder of said due date.
9. **Event Description** - A String that describes the Event in question.
10. **Google Drive** - An API that assists with security, synchronization, data storage, user accounts, and having the ability to link multiple devices to one account. Has a one-time $25 usage fee.
11. **Java** - A programming language used for android devices.
12. **JSON** - A data interchange language, meant for easy data transfer between languages, systems, etc.
13. **Notification** - How the user actually gets reminded/notified of an upcoming event.
14. **Notification Type** - What kind of notification is it? Can be an Alarm or an Alert.
15. **Prioritize** - Name of this application.
16. **Priority** - Priority is defined as how important a particular task is. This will have an impact on when the user will be reminded of an event, based on the Priority Algorithm.
17. **Reminder** - An object that encompases: Due date, Creation Date, Due Time, Creation Time. Event Description, Notification, and Notification Type. (Is this accurate? Did I forget anything?) Will be used as the object that is used to save and store information. The system depends on Reminder objects as an integral part of Prioritize.
18. **SQLite** - A database language.
19. **XML** - A programming language used for storing and transporting data.

Algorithm Analysis

Priority Algorithm

Database Lookup

Sync to Google Drive

Converting Text to JSON / JSON to Text

Creation of Reminder Object

/\*\* Any others we want to add \*\*/

Dataflow

\*create and insert full diagram here\*

\*\*Explain diagram here\*\*

\*create and insert diagram of internal dataflow\*

\*\*Explain diagram here\*\*

\*create and insert diagram of external dataflow\*

\*\*Explain Diagram here\*\*

Citations