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## **SYSTEM FOR RECURRING REMINDERS BASED ON CALENDAR EVENTS**

### **ABSTRACT**

A system for providing recurring reminders based on calendar events selected by a user is disclosed. The system provides the user with one or more reminders before a calendar event based on the content of earlier reminders and calendar events stored in the system. In one instance, the system determines the appropriate checklist based on the relation between the content of the reminder and the calendar event. The advantage of using the system is that the user may avoid the extra work of duplicating the same set of reminders for every similar calendar event.

**KEYWORDS:** Calendar events, checklists, recurring events, personal assistant

### **BACKGROUND**

It is common for users to prepare the same set of reminders manually for similar kinds of calendar events. For example, a user has to remember the same set of things such as toothbrush, travel charger, driving license, etc. for every trip he has to make out of town. Numerous software programs have been developed that allow a user to store schedules and checklist reminders based on calendar events. Mobile and personal assistant devices also exist with software featuring a variety of auto-reminders. Some also allow specialized reminders or instructions when the user checks in to a flight or goes to a particular geographical location. But, these existing systems lack options for saving or duplicating the reminders. Thus, the user needs to create their checklist manually for each individual event. This disclosure provides a way for a user to select a checklist from a stored set of reminders based on their calendar events.

## DESCRIPTION

A system and method are disclosed for providing recurring reminders based on calendar events selected by a user. The system provides the user with one or more reminders before a calendar event based on the content of earlier reminders and calendar events stored in the system. The system could be an application running on a device or connected to the cloud, that would suggest an appropriate reminder/list.

As illustrated in FIG. 1, the method involves receiving one or more lists manually (step A). When a calendar event is seen by the system it recognizes that the list and an adjacent event are related, in step B. The system may store such reminder lists and predict to identify a match for a calendar event as appropriate (step C), and present that reminder to the user. In the next step, the system may receive user input and save the revised list and feedback on the prediction. The system may analyze user feedback to improve prediction of reminder lists for other events.

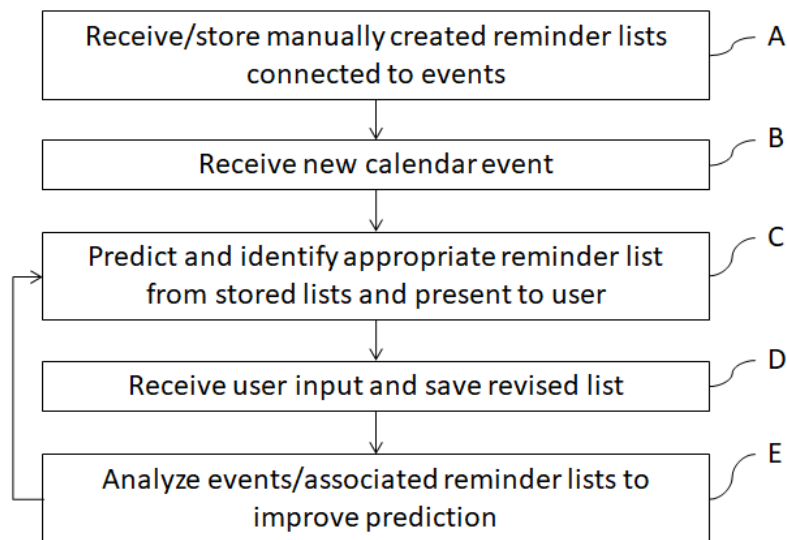


FIG. 1: Method of associating reminder lists with calendar events

In one instance, the system determines the appropriate checklist based on the relation between the content of the reminder and the calendar event. The relation could be determined

semantically, for example, "gym bag" is associated with "gym" or "travel pillow" is associated with "flight". They could also be determined by the time interval between the reminder and the event, for example, a reminder at 4 for an event that starts at 4:30.

In one example, the system is configured to determine recurring reminders by explicitly tying inputs from other software applications to the reminders. For example, allowing the user to link reminders from calendar events to travel reminders.

In some instances, a calendar event in the system may include one or more attached classifications and attached reminders. The system provides an option for the user to attach those reminders to similar events in the future. If the user selects this option, they could also select the choice of interval for the occurrence of the reminder before the event, for example, the night before, an hour before, at the time they are leaving home to get to the event, etc. Furthermore, the reminder could be attached automatically if the user intends to add similar events to the calendar in future. This allows the system to do the duplication of the reminders, for the user.

In one feature, reminders could also be attached to explicit tags or names of events given by the users, for example, adding a list to all events named "workout" or tagged #workout. This could also be used for events such as a personal training sessions (for example, a reminder to bring the gym bag) or even commute to work (for example, a reminder to carry the user's badge and laptop).

The advantage of using the system is that the user may avoid the extra work of duplicating the same set of reminders for every similar calendar event. Further, the system allows the user to customize reminders to their level of comfort, thereby enabling them to manage schedules efficiently.