Modified UML

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Event

-name: String
-start: ZonedDateTime
-end: ZonedDateTime
-sharedWith: ArrayList<String>

+getEventId(): String
+setEventId(newId: String): void
+displayEvent(): void
+adjustTime(newTimezone: ZoneId): void

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Calendar

-calendarId: String
-events: ArrayList<Event>
-sharedWith: ArrayList<String>
-currentEvent: Event
-ownerId: String

+setOwner(userId: String): void
+shareWith(userId: String): void
+addEvent(eventId: String, timeZone: ZoneId, scan: Scanner): void
+removeEvent(eventId:String): void
+updateEvent(newId: String): void
+changeCurrentEvent(eventId:String): void
+adjustTime(newTimezone: ZoneId): void
+getCalendarId(): String
+setCalendarId(newId:String): void
+displayEvents(): void
+getCurrentEvent(): void
+showOptions(): void
+begin(scan: Scanner, timeZone: ZoneId): void

CalendarsApp

-users: ArrayList<User>
-currentUser: User
+scan: Scanner

+addUser(): void
+removeUser(): void
+chooseUser(): void
+displayUsers(): void
+showOptions(): void
+getCurrentUserId(): String
+getCurrentUser(): User

1

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User

-userId: String
-calendars: ArrayList<Calendar>
-theme: Theme
-timezone: ZoneId
-currentCalendar: Calendar

+addCalendar(calendarId: String): void
+removeCalendar(chosenId: String): void
+updateCalendar(chosenId:String): void
+chooseCalendar(chosenId: String): void
+changeTheme(): void
+displayCalendars(): void
+showOptions(): void
+getUserId(): String
+getTheme(): String
+getTimeZone(): ZoneId
+changeTimeZone(newTimeZone: String): void
+getCurrentCalendar(): Calendar
+begin(scan: Scanner): void

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<<enum>>
ThemeType

Light
Dark