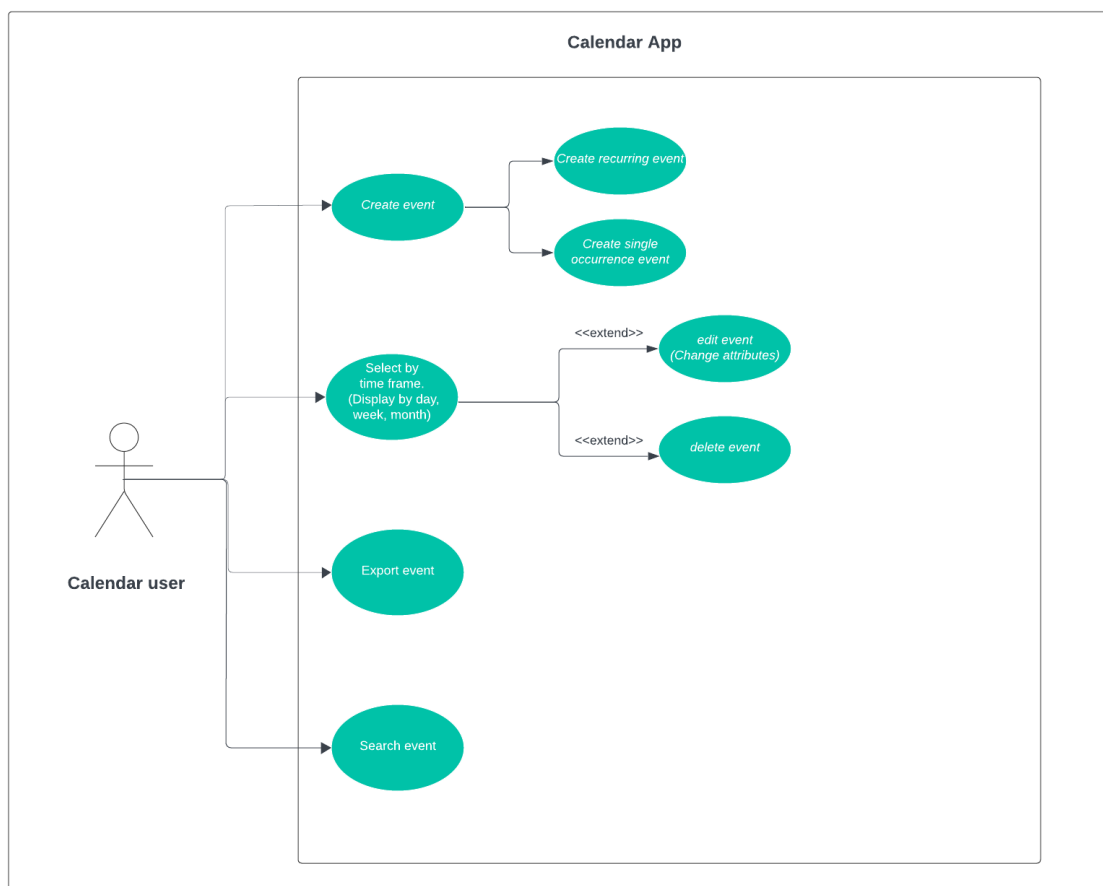# Functionalities

- Create events associated with different title, details, dates, times, and locations
- View events by day, by week or by month
- Search for events by their title – show all matches with date, time
- Edit event information (title, detail, date, time, and location)
- Delete events
- Export events for a specified date range in CSV format

# Name -  create event

**Actors** : Calendar user
**Goal** : Create a new event with additional information to display in calendar app
**Preconditions**: -
**Postconditions** : The event is added to the calendar successfully
**Main Success scenario**
1. User create a new event
2. User fills in the title
3. User fills in the date and time
4. User add event details
5. User choose between recurring event or one time event
6. User saves the event
7. System add the event to the calendar


# Name: edit event

**Actors:** calendar user
**Goal:** move the event to the given date and time successfully
**Precondition**: -
**Postcondition:** the event is found and move to the right location successfully
**Main success scenario**
1. User select the time frame of the calendar.
2. User select the search event by title
3. System finds the event
4. User clicks the event.
5. User edit the event details, such as day, time, location, or description
6. System asks for the confirmation to edit the event.
7. User confirms the changes
8. System update the event

**Extension(a):**
3a). Event not found

**Extension(b):**
7a). User click cancel
8a). Return back to the select time frame of the calendar page.


# Name: export event

**Actors:** calendar user
**Goal:** export the event to another place
**Precondition:** have event that has been created by the user
**Extension:**
**Postcondition:** Export successfully user get a csv file
**Main success scenario**
1. User select by time frame of the calendar
2. User enter the title of the output file
3. User select ok
4. System exports the event
5. System successfully export the event


**Extensions (a):**
4a). System cannot export the event successfully due to insufficient memory
4b). System print out the error message in the terminal


# Name: delete event

**Actors:** calendar user
**Goal:** delete the event successfully
**Preconditions:**
**Extensions:**
**Postconditions:** the event is found and delete successfully
**Main success scenario**
1. User select time frame of the calendar
2. User select the search event by title
3. System find the event
4. User clicks the event.
5. User choose to delete the event
6. System asks for the confirmation to delete the event.
7. User confirm
8. System delete the event


**Extension(a):**

7a). User Cancel
8a). Return back to the select time frame of the calendar page.