G52SOF - Use Case Analysis

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Use Case Scenario

Use Case: Adding deadline to calendar

Primary Actors:

- Student User

- Teacher User

Goal: To add a deadline event to the calendar section of the app
Preconditions:

- User has an account setup

- User has a deadline to add to the calendar

Main Success Scenario:

Step	Actor Action	Step	System Reaction
1	User selects a date from the calendar	2	The app comes to a single date view to allow event editing
3	User selects add deadline option from single date view	4	Systems asks for deadline details e.g. Time, Class, Alerts etc..
5	User enters deadline data	6	System asks user to verify deadline data is correct
7a	User verifies data is correct	8a	System returns to main calendar view
7b	User selects the data is incorrect	8b	System returns to single date view to allow event editing

Post Conditions:

1. The deadline is now added to the users calendar with the correct data

2. The app returns to the calendar view

3. The deadline is viewable and editable in the single date view

Exception Flows:
User selects an invalid date

Step	Actor Action	Step	System Reaction
1	User selects a date in the past, an invalid date	2	Systems shows an error "date chosen is invalid"
3	User presses ok on the system error	4	System returns to the calendar view

Data entered is missing key data

Step	Actor Action	Step	System Reaction
1	User selects a date from the calendar	2	The app comes to a single date view to allow event editing
3	User selects add deadline option from single date view	4	Systems asks for deadline details e.g. Time, Class, Alerts etc..
5	User enters insufficient deadline data missing required fields	6	System shows an error "missing required fields" and returns to the deadline data view
7	User enters sufficient deadline data	8	System asks user to verify deadline data is correct
9a	User verifies data is correct	10a	System returns to main calendar view
9b	User selects the data is incorrect	10b	System returns to single date view to allow event editing

Failure to confirm or cancel data

Step	Actor Action	Step	System Reaction
1	User selects a date from the calendar	2	The app comes to a single date view to allow event editing
3	User selects add deadline option from single date view	4	Systems asks for deadline details e.g. Time, Class, Alerts etc..
7	User enters sufficient deadline data	8	System asks user to verify deadline data is correct
9	User fails to confirm if data is correct	10	After 1 minute of inactivity the system returns to the single date view to wait for further editing

Use Case Diagram

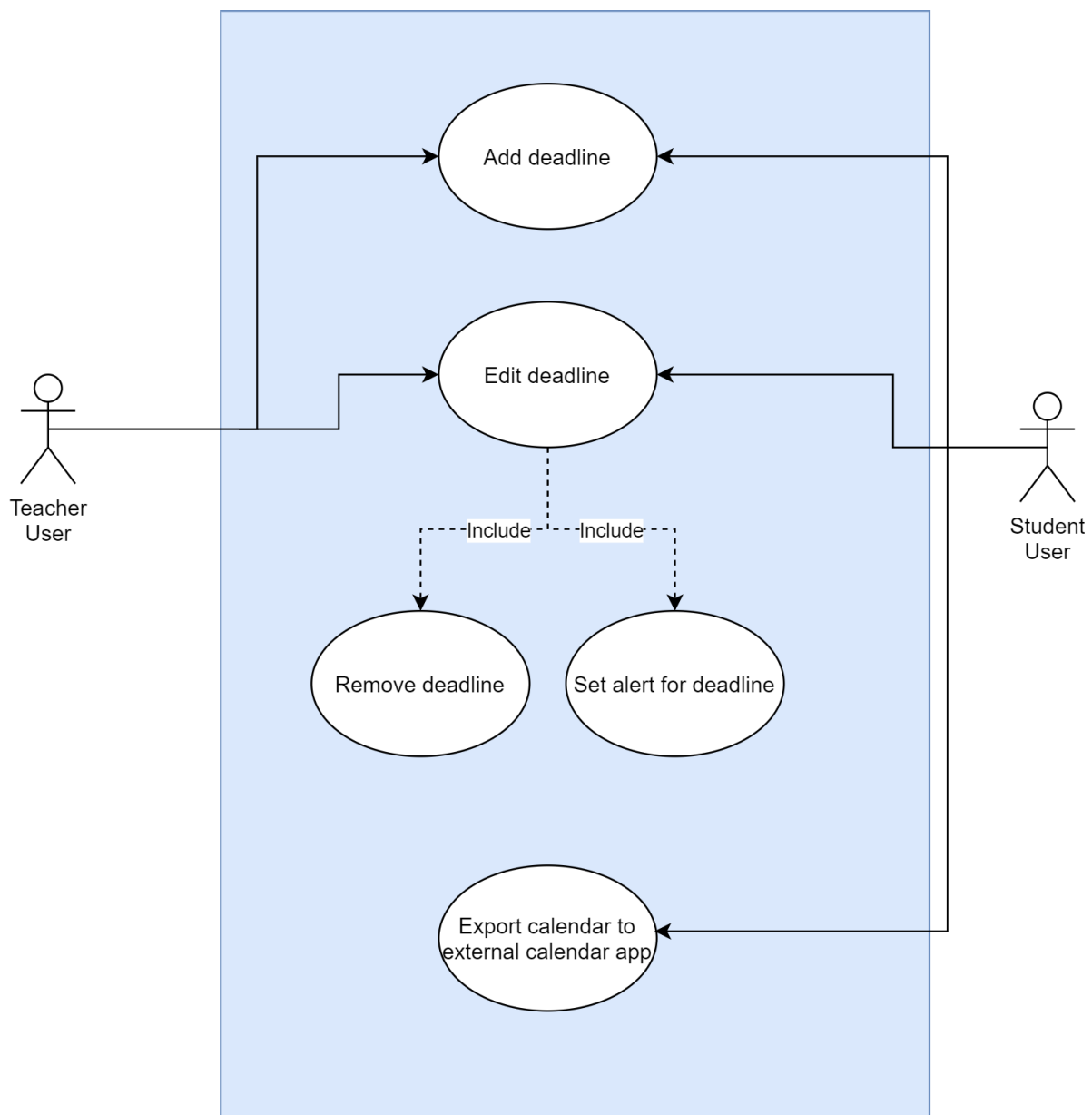Below you will find in figure 1 the use case diagram of the features included in the calendar section of the app.

Figure 1: Use Case Diagram of the calendar section of the app