Use-case specifications:

Use Case: **Modify timeline** (possibly)

Actors: User

Description: The User has installed the timeline app, chooses to modify the timeline and saves it afterwards

Preconditions: has the timeline app

Main flow:

- clicks on the “modify timeline” button

- User modifies what he wants

- clicks save

- modified timeline is shown

Alternative flow:

- if the user clicks cancel instead of save:

The operation (modifying a timeline) is canceled, and the default screen is shown without being changed

- The use case ends unsuccessfully

Postcondition: The timeline was successfully modified

Exceptions: validate range, end cannot be before start

Use Case: **Add timeline**

Actors: User

Description: The User has installed the timeline app, chooses to add a timeline and saves it afterwards

Preconditions: has the timeline app

Main flow:

- clicks on the “new timeline” button

- User enters details in displayed fields (name, start time, end time)

- clicks save

- modified timeline is shown

Alternative flow:

- if the user clicks cancel instead of save:

The operation (adding a timeline) is canceled, and the default screen is shown without being changed

- The use case ends unsuccessfully

Postcondition: The timeline was successfully added and displayed

Exceptions: validate range, end cannot be before start

Use Case: **Remove timeline**

Actors: User

Description: The User has installed the timeline app and chooses to remove the timeline

Preconditions: has the timeline app

Main flow:

- clicks on the “remove timeline” button

- Are you sure you want to delete this timeline + Yes or No options pop up

- confirm to delete

- timeline is deleted

Alternative flow:

- if the user clicks cancel instead of delete:

The operation (removing a timeline) is canceled, and the default screen is shown without being changed

- The use case ends unsuccessfully

Postcondition: The timeline was successfully deleted

Exceptions: none

Use Case: **Add event**

Actors: User

Description: The User has installed the timeline app and chooses to add an event to the timeline

Preconditions: has the timeline app

Main flow:

- opens a timeline

- clicks on the “new event” button

- User enters details in displayed fields (title / text / duration)

- clicks save

- modified timeline is shown

Alternative flow:

- if the user clicks cancel instead of save:

The operation (adding event) is canceled, and the event is not added to the Timeline

Postcondition: The timeline was successfully modified and the event added

Exceptions: validate range, end cannot be before start

Use Case: **Modify event**

Actors: User

Description: The User has installed the timeline app and chooses to modify an event in the timeline

Preconditions: has the timeline app and created an event

Main flow:

- clicks on the “modify event” button

- User modifies details in displayed fields (modify title / text / duration)

- clicks save

- modified timeline is shown

Alternative flow:

- if the user clicks cancel instead of modify:

The operation (modify event) is canceled, and the event is not modified

Postcondition: The event was successfully modified in the timeline

Exceptions: validate range, end cannot be before start

Use Case: **Delete event**

Actors: User

Description: The User has installed the timeline app and chooses to delete an event from the timeline

Preconditions: has the timeline app and created an event

Main flow:

- clicks on the “delete event” button

- Are you sure you want to delete this event + Yes or No options pop up

- clicks delete

- the event was deleted

Alternative flow:

- if the user clicks cancel instead of delete:

The operation (removing an event) is canceled, and the timeline is shown without being changed

- The use case ends unsuccessfully

Postcondition: The event was successfully deleted from the timeline

Exceptions: none

Use Case: **View event details**

Actors: User

Description: The User has installed the timeline app and chooses to view the event details

Preconditions: has the timeline app and created an event

Main flow:

- clicks on the event

- details are displayed (title / text / duration)

Alternative flow:

1. empty event selected

-the use case ends unsuccessfully

2.no event selected

-timeline stays displayed

-the use case ends unsuccessfully

Postcondition: The event was successfully displayed

Exceptions: none

Use Case: **Save to file**

Actors: User

Description: saving info to the file

Precondition: App is open

Main flow:

- press save

- select where to save

- click ok

Postcondition: The file has been written

Exceptions: none

Use Case: **Load from file**

Actors: User

Description: loading info from the file

Precondition: App is open

Main flow:

- press load (verify that you really want to load if there has been changes in the timeline already open)

- select where to load from

- click ok

Postcondition: timelines and events have been loaded from file and are displayed in the app

Exceptions: none