Use-case specifications:

Title	Modify timeline
Actors	User.
Description	The User has installed the timeline app, chooses to modify the timeline and saves it afterwards.
Precondition	Has the timeline application.
Main flow	1. Clicks on the "modify timeline" button. 2. User modifies what they want. 3. Clicks save. 4. Modified timeline is shown.
Alternative flow	1. If the user clicks cancel instead of saving: • The operation (modifying a timeline) is canceled, and the default screen is shown without being changed. 2. The use case ends unsuccessfully.
Postcondition	The timeline was successfully modified.
Exceptions	Validate range, end cannot be before start.

Title	**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	1. Clicks on the "new timeline" button. 2. User enters details in displayed fields (name, start time, end time). 3. Clicks save. 4. Modified timeline is shown.
Alternative flow	1. If the user clicks cancel instead of saving: • The operation (adding a timeline) is canceled, and the default screen is shown without being changed. 2. The use case ends unsuccessfully.
Postcondition	The timeline was successfully added and displayed.
Exceptions	Validate range, end cannot be before start.

Title	**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	1. Clicks on the "remove timeline" button. 2. Are you sure you want to delete this timeline + Yes or No options pop up. 3. Confirm to delete. 4. Timeline is deleted.
Alternative flow	1. If the user clicks cancel instead of deleting: • The operation (removing a timeline) is canceled, and the default screen is shown without being changed. 2. The use case ends unsuccessfully.
Postcondition	The timeline was successfully deleted.
Exceptions	None.

Title	**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	1. Opens a timeline. 2. Clicks on the "new event" button. 3. User enters details in displayed fields (title / text / duration). 4. Clicks save. 5. Modified timeline is shown.
Alternative flow	1. If the user clicks cancel instead of saving: • 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.

Title	**Modify event**
Actors	User.
Description	The User has installed the timeline app and chooses to modify an event in the timeline.
Preconditions	It has the timeline app and created an event.
Main flow	1. Clicks on the "modify event" button. 2. User modifies details in displayed fields (modify title / text / duration). 3. Clicks save. 4. Modified timeline is shown.
Alternative flow	1. If the user clicks cancel instead of modifying: • 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.

Title	**Delete event**
Actors	User.
Description	The User has installed the timeline app and chooses to delete an event from the timeline.
Preconditions	It has the timeline app and created an event.
Main flow	1. Clicks on the "delete event" button. 2. Are you sure you want to delete this event + Yes or No options pop up. 3. Clicks delete. 4. The event was deleted.
Alternative flow	1. If the user clicks cancel instead of deleting: • The operation (removing an event) is canceled, and the timeline is shown without being changed. 2. The use case ends unsuccessfully.
Postcondition	The event was successfully deleted from the timeline.
Exceptions	None.

Title	**View event details**
Actors	User.
Description	The User has installed the timeline app and chooses to view the event details.
Preconditions	It has the timeline app and created an event.
Main flow	1. Clicks on the event. 2. 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.

Title	Save to file
Actors	User.
Description	saving info to the file
Preconditions	App is open
Main flow	1. Press save. 2. Select where to save. 3. Click ok.
Postcondition	The file has been written.
Exceptions	None.

Title	Load from file
Actors	User.
Description	loading info from the file.
Preconditions	App is open.
Main flow	1. Press load (verify that you really want to load if there has been changes in the timeline already open). 2. Select where to load from. 3. Click ok.
Postcondition	Timelines and events have been loaded from file and are displayed in the app.
Exceptions	None.