



Linnéuniversitetet

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Report

***Project Course In Computer
Science:TimeLine Manager***



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Abstract

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Keywords

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1 Introduction

TimeLine in general is a way to display the events time graphically. It displays a title, the start time, end time and a discription for a duration event and a title, time and discrebtion for a non duration event.

There are several benifets of having a timeline for your work or task. It helps to devide your task into smaller subtasks which are easier to be managed, handled and performed which give you the motivation to perform the work perfectly and undercontroll. Moreover, timeline helps to manage unexpected issues by putting different plans for a specific unexpected event to handle.

We present an approach and a timeline manager software is developed using java programming language. The aim of developing the software is to let you manage the tasks and events which related to you, by adding, modifying and deleing an a specific events. The approach includes displaying data visualization for two types of events. A non duration event which includes a title, a discription and time and the second type is duration events which includes a title, a describtion , a start time and end time. The software also includes a method to add, modify, delete and confirm deleting a specific event as well as adding a new timeline with start and end time, modifying and deleting it. Moreover, the user is able to add or modify a specific event for a day, a week, a month and a year and save and load the timeline when he needs that.

1.1 Requirements Specifications

The software two major modes: Create mode and Display Mode. The requirements for each mode as well as some general requirements.

Create mode requirements:

- The user is able to add more than one timelines with separate start- and end time.
- The user is able to delete the entire timeline.
- The user is able to add any number of events to a timeline for a day, a month and a year.
- The user is able to modify any number of events to a timeline for a day, a month and a year.
- The user is able to delete any number of events to a timeline for a day, a month and a year.
- There are two types of events: events with duration and events without duration.

- The user is able to specify a title, description, start and end time for an duration event.
- The user is able to specify a title, description, time for a non duration event.
- The user is able to save and load the timeline.

Table 1. Create mode requirements specifications

ID	Description
R1	Add more than one timelines with separate start- and end time.
R2	Delete the entire timeline.
R3	Save and load the timeline.
R4	Add event to timeline for a day, a week, a month and a year.
R4.1	Add duration event to timeline including title, description, start time and end time for a day, a week, a month a year.
R4.2	Add non duration event to timeline including title, description and time for a day, a week, a month and a year.
R5	Modify event for a day, a week, a month and a year.
R5.1	Modify duration event including title, description, start time and end time for a day, a week, a month a year.
R5.2	Modify non duration event including title, description and time for a day, a week, a month and a year.
R6	Delete event for a day, a week, a month and a year.
R6.1	Delete duration event for a day, a week, a month a year.
R6.2	Delete non duration event for a day, a week, a month a year.

Display mode requirements:

- In display mode all timelines and all events on each timeline is shown.
- Events is placed at the correct time in the timeline.
- The events have different color according to their type.
- The title is shown for all events.
- For events with duration, the time span is shown with a bar.
- The user is able to click on an event to open a popup window showing title, descriptive text and time(s) for the event.

- The user is able to scroll horizontally and/or vertically if all timelines cannot fit in the display window.
- The user is able to change the background of the timeline.

Table 2. Display mode requirements specifications

ID	Description
R1	All timelines and all events on each timeline is shown
R2	Events is placed at the correct time in the timeline.
R3	The events have different color according to their type.
R4	The title is shown for all events.
R5	The time span is shown with a bar for duration events.
R6	Popup window showing title, descriptive text and time(s) for the event.
R7	Scroll horizontally and/or vertically if all timelines cannot fit in the display window.
R8	Change the background of the timeline.

1.1.1 Sample heading 3

1.1.1.1 Sample heading 4

References

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