ANALYSIS DOCUMENT

FOR THE SERVICE TIMELINE MANAGER

Introduction

In this document, the software requirements of Timeline Manager application will be presented. The requirement is divided to both Technical and Functional sections, in order to specify the priority of each case's function.

1. Requirements

Presents the list of requirements for the timeline manager. Technical requirements present the requirements for the software platform, whereas the functional requirements define the requirements for the developed software.

Priorities:

- o   1 = must implement
- o   2 = should implement (time allowing)
- o   3 = be nice to have

1.1 Technical Requirements

Technical Requirements

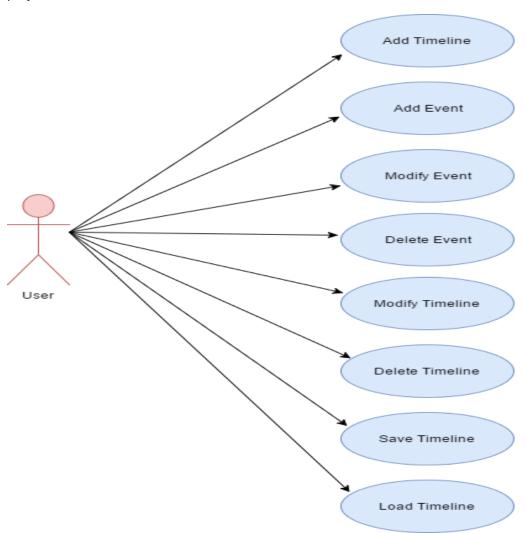| #No	Description	Priority
TR1.1	Add multiple timelines with separate start- and end time	1
TR1.2	Add any number of events to timeline	1
TR2.1	Save and load timelines	1
TR2.2	Store data in a text file	1
TR3.1	In display mode, show all timelines in a list	1
TR3.2	In display mode, show all events on each timeline, for one timeline at a time	1
TR4.	Place events at the correct time in the timeline	1
TR5.	Show title for all events	1
TR6.	For events with duration, show the time span with a bar	1
TR7.	Hover on an event to open a popup window showing title, descriptive text, and time(s) for the event	1
TR8.	Scroll horizontally and/or vertically if all timelines cannot fit in the display window with the list of timelines	1
TR9.	Click on a button to zoom in or out of a timeline's time span	2

1.2 Functional Requirements

Functional Requirements

#No	Description	Referred Use Cases	Priority
FR1.	Add new timeline with start- and end time	Add timeline	1
FR2.1	Add non-duration event to timeline (title, time, description)	Add Event	1
FR2.2	Add event with duration to timeline (title, start time, end time,	Add	1

	description)	event	
FR3.	Modify title, descriptive text, or time(s) for an event	Modify Event	1
FR4.	Modify complete timeline	Modify Timeline	1
FR5.	Delete event on a timeline	Delete event	1
FR6.	Delete complete timeline	Delete timeline	1
FR7.	Add image to event	Add Event	2

2. Use Cases Diagram

Timeline manager application use-cases diagram is shown below according to the requirments of the project.

3. GitHub repository:

The GitHub repository for our project:

https://github.com/brokenprogrammer/Timeline-Manager