# 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 |
|-----|-------------|----------|
| 1.1 | Add multiple timelines with separate start- and end time | 1 |
| 1.2 | Add any number of events to timeline | 1 |
| 2.1 | Save and load timelines | 1 |
| 2.2 | Store data in a text file | 1 |
| 3.1 | In display mode, show all timelines | 1 |
| 3.2 | In display mode, show all events on each timeline | 1 |
| 4. | Place events at the correct time in the timeline | 1 |
| 5. | Show title for all events | 1 |
| 6. | For events with duration, show the time span with a bar | 1 |
| 7. | Click on an event to open a popup window showing title, descriptive text, and time(s) for the event | 1 |
| 8. | Scroll horizontally and/or vertically if all timelines cannot fit in the display window | 1 |
| 9. | Scroll in and/or out to zoom in or out of a timeline's time span | 3 |

## 1.2 Functional Requirements

Functional Requirements

| #No | Description | Referred Use Cases | Priority |
|-----|-------------|--------------------|----------|
| 1. | Add new timeline with start- and end time | T | 1 |
| 2. | Add event to timeline | E | 1 |
| 2.1 | Add non-duration event to timeline (title, time, description) | E.1 | 1 |
| 2.2 | Add event with duration to timeline (title, start time, end time, description) | E.2 | 1 |
| 3. | Modify title, descriptive text, or time(s) for an event | M | 1 |
| 4. | Delete event on a timeline | D.1 | 1 |
| 5. | Delete complete timeline | D.2 | 1 |
| 6. | Add image to event | I | 3 |
| 7. | Drag-and-drop event to move it from one timeline to another | E.3 | 3 |