TimeWaves - Analysis

Group Yellow

Glossary

User categories
General user: A user that is either unregistered OR registered (logged in OR not)
Unauthorized/Unregistered user: A user that has not registered and is not logged in
Authorized user: A user that has registered and is logged in
Registered user: A user that has registered and is not logged in.
Administrator: A user with administrator rights.

Other
*Entry / **event** / entity(?):* Info section that the user creates in a chosen place of the timeline. Includes time, image and short-and long description.
Account:
My timeline: One of the current user's timelines (and not another user's)
Timeline: A sequence of events arranged in chronological order.

User stories

Some user stories for the product backlog

As a general user...

- I want to see a list of the existing timelines in the system.
- I want to see a selected timeline and scroll it, so that I can view it entirely **8**
- I want to select an event and expand it, so that I get more detailed information about it. **2**
- I want to search for specific timeline names, so that I can find them easily.
- I want to search for specific timeline keywords, so that I can find them easily.. **3**
- I want to switch between dark/light mode UI, so that the UI looks how I prefer (extra). **3**
- I want to rate a timeline (extra)

As an unregistered user…

- I want to register with a username and password, so that I can log in. **3**

As a registered user…

- I want to log in using my username and password **2**
- I want to be able to reset my password, so that I can access my account even though I have forgotten the password (extra). **8**
- I care about the security regarding my credentials and want my password to be protected (extra). **2**

As an administrator user…

Timeline specific

- I want to create a new timeline with a name, so that it is visible in the timeline manager.
- I want to delete a timeline. **2**
- I want to modify information about a timeline
- I want to add keywords to a timeline to make it easier to search for.
- I want to create a range for a timeline. **2**
- I want to set the status of other users to administrator.
- I want to set one timeline as "timeline of the day" so that it is more noticeable to the user (extra)
- I want to export the timeline in a format that makes it possible to read it on another computer (extra)

Event specific
- I want to add an event to a timeline, so that the event is visible and scaled correctly on the timeline.
- I want to add a name to the event, so that the name is visible in the timeline.
- I want to attach an image to the event, so that the image is visible in the timeline.
- I want to add a time to the event, so that events are in order on the timeline.
- I want to add a short description to the event, so that the description is visible directly in the timeline. **2**
- I want to add a long description to the event, so that the long description is displayed when clicking the event. **1**
- I want to modify information about an event, so that it is updated in the timeline.
- I want to delete an event from a timeline, so that I can update the timeline.

Additional user stories

- I want to be able to save changes to my timeline, so that I can access it again at a later time.
- I want to be able to undo changes that I have made, so that I can change my mind. (extra) **?**
- I want to be able to redo changes that I have made, so that I can change my mind (extra). **?**
- I want to add a time unit to my timeline, so that events are visible at certain intervals

Requirements

- Multiple timelines.
- Create- & Display Mode.
- Display mode shows all timelines and events horizontally with time, image and short description.
    - In display mode the live timeline is shown, where the user can scroll horizontally and view the different events with the possibility to click to see more.
- Create mode shows specific timeline and events, user can add and edit events and timeline info.
    - When creating a timeline, a name is given to it and the user sets up the time frame and unit -- for example from the beginning of time till now in years if the timeline is about the evolution of the universe. The user should then be able to add as many events as he or she likes to the timeline. Each event has a time, an image and a two pieces of text describing the event. The first text is a short description that is visible directly on the timeline, the second is a more detailed description that is shown when the event is clicked.
- Timeline should include time frame (from when to when) and time unit (years, millennia, minutes etc.).
- All timeline events include time, image, short- and long description.
- When clicking events, long description (and possible extra features) should be shown.
- No limit to how many events a timeline can have.
    - Each timeline needs to have at least six events
- Frontend should be created in JavaFX, backend should use SQL database.
- Only registered users can edit timelines.
- Users who are not registered can use display mode, but cannot edit timelines.