Software Requirements Specification

for

TimePool

Version 1.0 approved

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Table of Contents

Document Conventions

Terms are signified by the use of *italic type*. Description of an additional functionality that is not essential to the application and will probably not be delivered by the first implementation is marked with a grey font.

Description and Benefits

The product named "TimePool" will be a web application and this is the first version (1.0) of the software. The aim of the application is to help with the arrangement of the date and time of lectures, meetings, leisure, sport and other group activities generally named as *events*, between numerous *participants* while allowing the event *author* to coordinate the whole process. The main distinctive feature will be that every user will have a possibility to suggest terms that suit his or her needs or be able to sign into the terms suggested by other users. This extension of participant's freedom will allow for wider use cases for the application.

Supportive features

An agreement on the common term will be supported by social features, such as writing of comments on particular terms or sending private messages to other users. An event will be able to be assigned a *tag*, which will comprise one or few words to categorize the event helping the users to have a better overview of the events they will or have participated in or authored.

Users

The web application is intended for broad public which will have free access to it. Any page visitor, termed *user*, will be allowed to create an *account* in the system becoming a *registered user*. System will operate with these user roles:

- *Author* – creator of an event, with the ability to manage the event and reject the proposed terms.
- *Participant* – invited by the *author*, with the ability to suggest or join a term.
- *Visitor* – unregister page visitor with the capability to act as both the *author* and *participant* but with limited privileges.
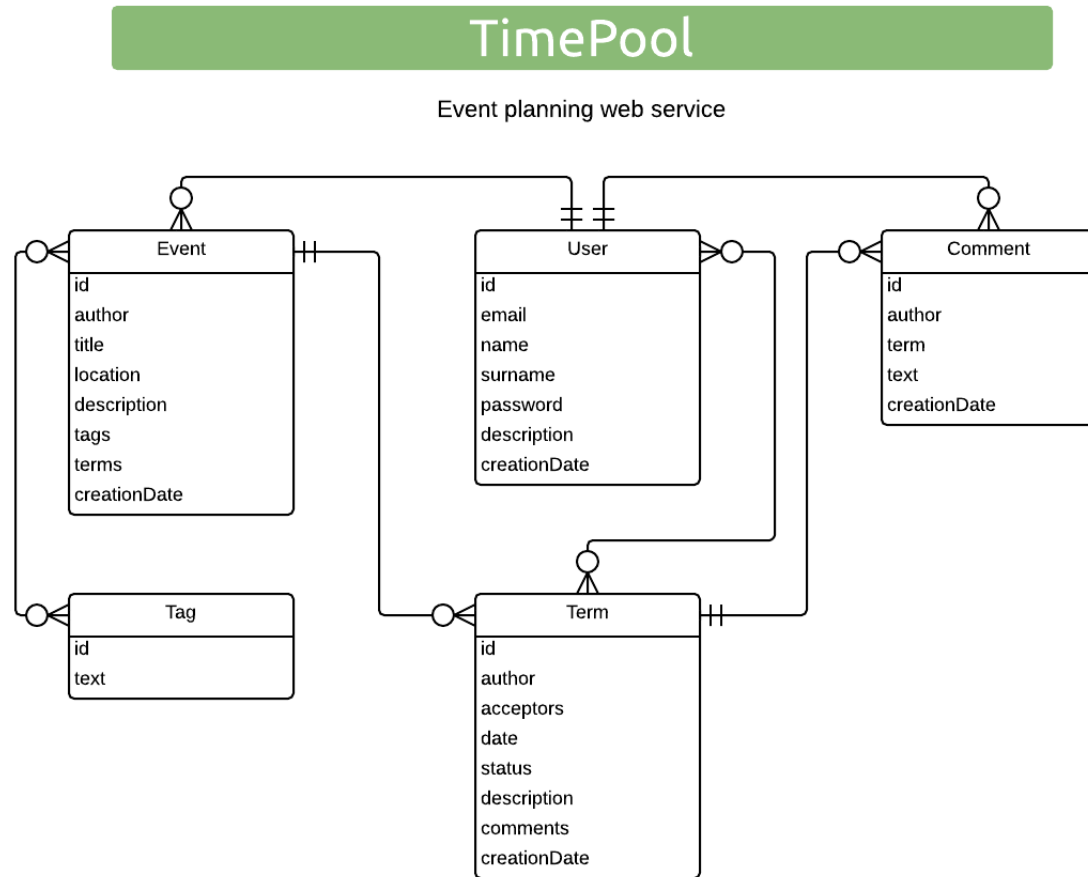
Functions

- Creation of an event (specified by author, title, location, description and *tags*).
- Selection of the event sharing options (e-mail, link possession, or *registered users* selection).
- Proposal of a term of an event by *user* (specified by author, participants, date, status and description).
- Joining of a term of an event by *user*.
- Watching an event for changes (changes in the terms in the number of *participants*, creation or rejection of terms).
- *Events overview* showing the current and historic events a logged user will or have participated in or authored.
- *User* comments to an event (with an ability to select the term pertinent to the comment).
- Private messages between *registered users*.
- File attachments to an event.
- Administration of the created events by its *author* (including editing permissions control).
- *User* profiles with basic information.
- Simple and fast interface for both *authors* and *participants*.

Restrictions

- No synchronization with third party calendar applications (e.g. Google Calendar, Outlook or iCal).
- No sign up using third party accounts (Google, Facebook, OpenId).

Domain model

TimePool

Event planning web service

Event
id
author
title
location
description
tags
terms
creationDate

User
id
email
name
surname
password
description
creationDate

Comment
id
author
term
text
creationDate

Tag
id
text

Term
id
author
acceptors
date
status
description
comments
creationDate

https://www.lucidchart.com/publicSegments/view/5270e914-b598-4363-9937-19c40a005cf3/image.png