Project trckr

Technical Article

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The main goal of the present article is to describe the idea, goals and main functionalities of the web based app trckr. Trckr is for everyone, who works on a project and wants a very simple web tool with intiutive handling.

To have an easy development, the backend is written in Python with the help of the framework Django, the frontend with the Javascript framework Vue.js. Users are able to create and edit projects after a successful registration. Time tracking starts with single tasks a user creates.

In order to compete with other tools and web services, trckr has big advantages in performance and usability. To extend the reach of trckr, more functions are planned to display projects and tasks in a very userful way. Furthermore the functionality for better implementation in big companies would be a big step, to reach also bigger complexities of project management and task tracking.

Contents

1 Introduction

Time tracking has always been a really important thing in daily tasks and projects, and so tools and methods for time tracking have evolved. There are dozens of methods, that are teached in project management and self improvement classes. Some of them are overkills and some of them are very useful, depending on a person, task and project.

1.1 Objectives

The goal with project trckr is to develop and distribute a time tracking webapp, that is very easy to understand and use. It is very important to have a very small amount of steps for a user to track his time on single tasks.

1.2 Main Features

The user is able to:

- register and login to trckr

- create and edit projects

- create, track and edit tasks

- visit trckr also on a mobile browser

2 Technolgies

2.1 Django

Django is an open source web framework written in Python. It is very useful for fast, clean and simple development of web applications.
One of the main advantages is its fast setup, therefore you can start developing your application very quick. Django comes with support of various database integrations.

2.2 PostgreSQL

Trckr runs with a PostgreSQL database in the backend.

2.3 Vue.js

Vue is a progressive framework for building user interfaces. Trckr is developed with vue.js because of it's very easy to learn modules. Also it'ts very handy when it comes to developing user interfaces.

3 Results

Results...

3.1 APIs

3.2 User Interface

4 Outlook

Outlok...

5 Conclusion

Conclusion...

6 Bibliography

Bibliography...