Project: Aggregation of data from third party time tracking systems

**Summary**

**What is the Code Games Idea?**

Allows data from different time tracking systems to be aggregated into a central system. The data is collected through third party APIs and transformed into a common format. From this data it should be possible to create payroll and custom reports. In our case we created a timeline for the employee to show the tracked data and create summary information.

**How is put together?**

* Browser based User interface
* Webserver with multiple REST-Services for data management
* REST-Service for aggregating data from time tracking systems

**What tools technologies were used to create?**

|  |  |
| --- | --- |
| AngularJS | JavaScript Framework from Google |
| AngularJS Material | Library for creation of Material design browser applications |
| Angular Timeline | Timeline component for AngularJS |
| Python | Used for creating an webserver for the browser application |
| Java | Development Framework |
| Grizzly | HTTP Server for hosting the Rest-Services |
| JaxRS | Framework for creating and consuming RESTfull services in Java |
| Jersey | Extension of the JaxRS Framework |
| Genson | JSON library for Java |

**Source Code structure**

Describe purpose of each folder/project

|  |  |
| --- | --- |
| Docs | Backlog and documentation |
| Src | Java source for the server component |
| Ui | Browser application |

Other Notes:

There is no specific note for the application.

**Deployment**

Special Setup Instructions (if any):

How to execute:

Start webserver.py in python shell.

Start java artifact for the webserver.

Open localhost in your browser