

### New Tracker

What are you tracking?

more stuff

Stop !

🕒 19 sec

### Your track records

Comment	Type	Start	Finish
some stuff	sec	2016-01-26 19:00:44	2016-01-26 19:00:52

# Simple Tracker

## Project Report

Oğuz EROĞLU

# What is Simple Tracker?

Simple Tracker is a web application that helps users to time-track their activities, powered by Ruby on Rails. This report is written to explain some technical details of the "demo" version of the application. This demo version does nothing but to register users, time-track their events and to show app statistics.

## Main parts of the application

Simple Tracker is based on following parts :

- Mainpage controller
  - Mainpage controller is implemented to create the main page (<http://localhost:3000>)
  - It is based on a single method called "main"
  - Main view does nothing but to output some contact informations about the application.
  - The users may use the navigation bar to login, register or to track their events.
- Sessions controller
  - Sessions controller, runs the login process.
  - It is based on two methods : New and Create
  - New view helps to output the login form onto the screen.
  - The authentication process runs inside the Create method. If the infos that user provides are correct, the user is redirected to the Tracker page, if not, back to the login page.
- Users controller
  - Users controller runs the registration process.
  - It is based on three methods : New, Create and Logout
  - The New method outputs the sign up form onto the screen.
  - The Create method leads the database saving process.
  - The Logout process destroys the Session information that holds the logged in user data.
  - The verification process such as Email presence and password security, happens inside the User model
- Time\_Trackers controller
  - Time\_Trackers controller runs the time tracking process.
  - It is based on two methods : New and Create
  - New method outputs the time tracking form and the track records of the current user.
  - Create method writes the current tracking data into the database.
- Statistics controller
  - Statistics controller categorizes the track records by user or by month/day/year
  - It is based on two methods : New and Create
  - The New method outputs the total registered user and total tracks data onto the view.
  - By sending the necessary queries to the database, the Create method categorizes the track records by user or by month/day/year.

## The Database

Simple Tracker is based on a relational database model which includes the following tables :

- users
  - id
  - email
  - password
  - username
  - created\_at
  - updated\_at
- time\_trackers
  - comment
  - typ
  - start
  - finish
  - username

Users table holds the user data as the time\_trackers table holds the track data. The "username" row creates the relation between these two tables.

## Routes

Simple Tracker application uses the following routing table :

Page	Controller	Method
root	mainpage	main
login	sessions	new
signup	users	new
tracker	time_trackers	new
logout	users	logout
stats	statistics	new

## Frontend design

All the page designs of this application are made by the Zurb Foundation framework.