

# Remote Assignment

## 1 Welcome to your trial task!

Thank you very much for your interest in working with Incloud, one of the leading App Enterprise Agencies in Germany.

### 1.1 What is this?

This is a remote assignment for you. The challenge is to develop a **simple time tracking application** so we can get a good impression on how you write code.

For this purpose, a hypothetical customer has defined some user stories. It is completely up to you how the features are implemented as long as they make the customer happy and satisfy the user stories.

### 1.2 Why do we do this?

We receive lots of applications and like to be as sure as possible, that the selected candidates match our requirements. For that, we'd like to get an impression on how you write code. This is a simple assignment that should not take longer than a few hours if you are familiar with the Tech stack and have some experience.

Your potential colleagues working here are all very experienced developers and our customers have very demanding and challenging projects for us. To match the expectations of our customers and augment the experience in our company, we would like to employ only the best developers.

### 1.3 How to do it?

Our preferred Tech stack is **PHP 7 with Symfony in the backend and React.JS in the frontend**. If you choose a different tech stack, this is okay for us as well.

Please mind that we may use the described tech stack in business and would require you to do so as well, provided we figure out that we'd like to start working together 😊.

Please include a README.md in your solution (zip file), so we can exactly know which steps and commands we need to follow to get your assignment up and running. Please include fixtures (or a database dump), so we there is some data in the application already.

## 1.4 How do we proceed?

We will take a look at your solution, get it up and running and decide, which candidates we would like to invite to an interview.

## 2 Features

**As user, I want to be able to conveniently start a tracker that counts the spent time for me.**

Acceptance criteria:

- The tracker should start tracking with a single click.
- Time is displayed in a user friendly format, specifically hh:mm:ss.
- The timer can be paused and resumed.

**As user, I want to book time for tasks with a description.**

Acceptance criteria:

- The ability to book time directly from the tracker. This should set the tracker to 0 after the booking has happened.
- The ability to book time without the tracker (in cases I forgot to start the tracker before working on an issue).
- Free text description where I can enter what I worked on (mandatory).
- Date and time of the tracking (when did I finish the task, mandatory as well).

**As user, I want to have a user friendly overview for all my tracked times.**

Acceptance criteria:

- Listing of all the tracked time I booked in the past.
- Search functionality that searches/filters all the descriptions of every time log.
- Some sort of pagination (Calendar? Page based pagination?) so that I don't see millions of time logs from the past.

## 3 Side notes

- The frontend (preferably React.JS) is allowed to be very simple and does not need fancy styling.

- The backend (preferably Symfony) can be very simple as well (e.g. single user without login, accounts or the like). If you decide you do not want to use Symfony, make sure that you write well structured object oriented code, so we get a "real life" experience of your coding style.
- Use your preferred database. Classic MySQL, MongoDB, Sqlite, ... it's up to you!
- Please note in the readme how much time you spent for this assignment and what would did/ didn't like. What would you have done differently, if you had had more time? With which parts of your application are you satisfied? Which would need improvement?
- Please exclude all the vendor files and modules in your archive so it has a small footprint. If your zip file still is bigger than ~5MB, we also accept public gitlab / github repos or a public dropbox link.

## 4 And now:

Have lots of fun, we are very excited! Talk to you soon 😊.