

Köln, 15.08.2017

## Assignment

**Position:** Senior Web Developer - Node.js

**What do to?** In order to get an impression of your way of work, we would like you to complete the following assignment.

**Requirements:**

Implement a chat application similar to [Slack](#) or irc clients, such as mIRC or <https://kiwiirc.com/>. This should be composed of a React.js web application and a nodejs API backend.

To submit this project, please create a github repository and send a link to [jobs@thehomelike.com](mailto:jobs@thehomelike.com)

**Basic Implementation:**

Your basic implementation of the app should have the following views with the following functionality:

- Chat list:
  - list chats in which you are participant (there can be multiple participants in a chat)
  - clicking on an item in the chat list will take you to the overview of the chat details
- Chat detail overview:
  - list all messages in the chat.
  - functionality to send a new chat message

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Geschäftsführer: Christoph Kasper, Dustin Figge

## Extensions

You should implement at least two of the following extensions in the app

- Allow images to be sent as part of messages
- Allow private messages between users
- Allow editing and deleting of messages
- Build a profile page for each user
- An extension of your choosing

## Technology constraints & considerations:

- We would prefer you to use mongodb as your database, but you can choose the one you like (storing data in memory is also acceptable)
- Use [React](#) and [Express](#)
- Feel free to use any packages from NPM
- Include instructions how to run the app. Include enough mock data for us to test your project.
- You might want to have look at the available React boilerplate projects to get started, e.g. <https://github.com/gaearon/react-hot-boilerplate>

Please, keep in mind that we are using bootstrap (<http://getbootstrap.com/components/>) as a frontend framework and don't forget to make the design for people using tablets and mobile devices.

**Time for this assignment:** 1 week

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