Web Development: Website to Visualize Data

Keywords: web development

Project description
The goal of this IDP is to create the first version of a website that is able to interactively display time-series data within charts and dashboards. The tasks will be as followed:

- Create the webapp with HTML, CSS and JS
  - Implementing web frameworks, e.g. Bootstrap, Angular, React or VueJs
  - If appropriate, create a backend to optimize, clean or transform data for the webapp (e.g. Java Spring Boot, NodeJS)
- The webapp should contain an interactive chart which plot time-series of data from the database by incorporating items and parameters chosen by the user
- Also a Dashboards should be implemented to give out basic statistical metrics such as means, correlations etc.
- Outline potential solutions for installing a secure interface to a SQL database that might will be connected in a future setting

What we are looking for
- Strong analytical and project management skills
- Determination and passion for your areas of expertise
- IT skills required for the IDP
- Interest to learn something about finance

What we offer
- Kick-off session including introduction to relevant finance and/or business topics
- Experience with IDPs
- Open dialogue and support
- Potential for publication and/or evaluation of future use cases
- Both single and group projects are possible

Interested?
Please send an e-mail with CV, academic transcript and your preference for this project to marcel.maier@tum.de.

Questions?
In case of any (e.g. topic related) questions, please contact Marcel Maier (marcel.maier@tum or call +49 89 289 25487).