Student assistant for Bio Facility at DTU

Do you want to help digitize Life-Science at DTU?

Background
Bio Facility is an infrastructure at DTU that supports all animal experiments DTU across species. Since the summer of 2020, we have been in the process of digitizing DTU's animal stables.
We must report tasks and time directly for the projects. To make it as simple as possible, we work with a barcode system, where employees beep standardized tasks as well as time on projects. The system is built so we can expand it in the direction we want.

Our student, who have implemented the first part of the system, will finish as engineer this summer. Therefore, we are seeking a student who wants to take over for him.
Over time, we would like to introduce inventory management and other features, so there are plenty of opportunities to help shape the system.
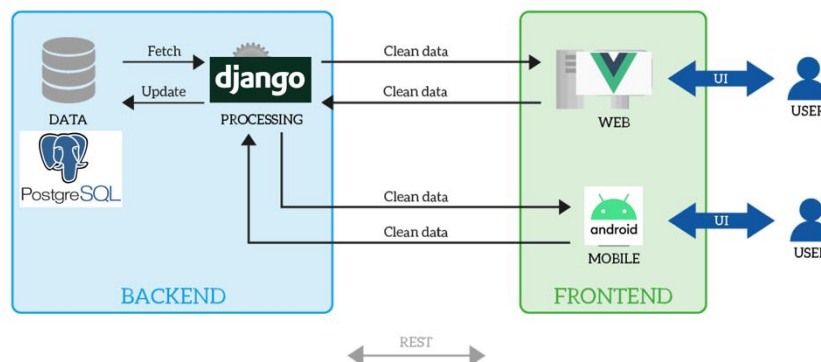
The Bio Facility employs 8 animal keepers, 2 animal caretaker students, 5 students, a stable master, and a center manager. In addition, an animal welfare body is attached. You can read much more about Bio Facility [here](#).

Our expectations for you
We are looking for an energetic and vigarous student who has the desire and drive for a student job with further development of the bar code system in DTU's Life-Science complex in building 202. The job is very broad and deep; You need to be attentive to the users - understand and analyze their needs. From that you must design usable, intuitive web user interfaces for the system, implement your solutions using Python, Java, JavaScript and SQL, HTML and CSS. We work with frameworks and tools such as Django, VueJS, PostgresSQL and Git.

Detailed description of the job
The project consists of a web application, which is built from a backend written in Python (Django) with a PostgresSQL database, as well as a frontend written in Javascript (VueJS). In addition, we have bought android handheld terminals, where an app written in Java has been developed to make registrations in the animal facilities. In addition, an internal virtual machine has been set up at DTU with an Ubuntu server operating system (Linux), which hosts the web application using Docker.

A good understanding of programming is important as Java is a more low-level programming language compared to Python and JavaScript. In addition, knowledge of the development and consumption of APIs is also important for the project.

Salary and terms of employment
Wage and employment conditions will be in accordance with the current Joint Agreement between the Ministry of Finance and Public Employees' Organizations - The State Area as well as the current Circular on Wage and Employment Conditions for Warehouse and Trade Workers in the capital.

Application and contact
If you want to be a student assistant in Bio Facility, send a motivated application with attached CV to sagra@dtu.dk no later than 18-04-2021.

If you want more information about the position, you are welcome to contact Head of Bio Facility, Sanne Gram-Nielsen (sagra@dtu.dk).

All interested regardless of age, gender, disability, race, religion or ethnicity are encouraged to apply for the position.

Technology for humans
DTU develops technology for humans. With our research and education in international top class, we help to create a better world, and we contribute to the solution of the global challenges formulated in the UN's 17 global goals for sustainable development. H.C. Ørsted founded DTU in 1829 with a clear vision to develop and utilize natural science and technical science for the benefit of society. That vision lives on to this day. DTU has 11,500 students and 6,000 employees. We work in an international atmosphere and have an inclusive, developing and informal work environment. Our main campus is located in Kgs. Lyngby north of Copenhagen, and we have campuses in Roskilde and Ballerup as well as in Sisimiut in Greenland.