

Master Thesis Opportunity, Product Development Research Lab

Partner company: Holje International (<http://www.holje.com>)

(Non-Disclosure Agreement will be necessary)

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Web-based solution for Offering Automotive fixtures

Background:

Holje International offers configuration and measurement fixtures for the automotive manufacturing industry. Traditionally, the configuration of the fixtures have been done manually by designers in CAE-tools. Now they want to move towards a web-based solution where customers should do some of the activities themselves. The CAE applicator has been developed and will run on a server at the company; and now this thesis should deal with the integrated web-based solution.

Target competence:

Software engineering student with knowledge of web development languages and frameworks.

Description:

We want to develop a web-based solution to connect the user to the CAE environment via remote desktop functionality. In addition the solution should support e-commerce features that are configured in CAE and as outlined below. Further, there is a need for some access control and user control features.

Previous prototype was built upon Wordpress CMS, extended with plugins and iFrames. We would want a more production-ready solution, but are definitely open to building on top of infrastructure provided by well-renowned CMS-solutions.

Requirements (includes):

- Access control / User management
- File uploads/management
- E-commerce features (connected to remote server)
- Remote desktop (VNC/RDP) integration in web
- Design, of interest but functionality outlined above prioritized.
- *Other* related features that come up during the work or that is of need for academic problem description is open for discussion and possible extension to requirement list.

Delivery:

Fully working solution demonstrating the capabilities listed above.

Source code and documentation of the solution, including how to deploy the solution on alternate system.

Rights:

Non-disclosure agreement needed and IPR rests with client.