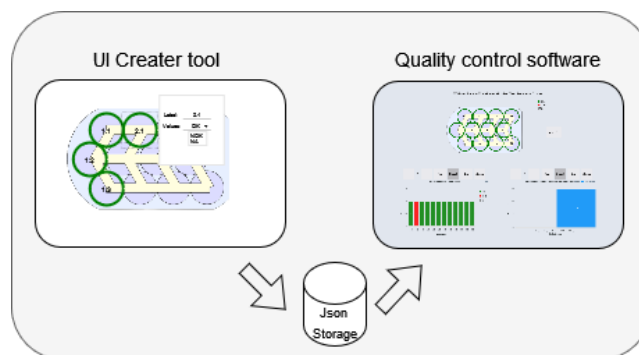|	
Reference:	**QSE:CDP-UI-Creator**
Topic:	**Web Page Application for Quality Control in Manufacturing**
Course-Type:	Seminar, Bakk-Thesis
Start:	As soon as possible
End:	To be defined
Industry Partner:	Center for Digital Production (CDP)
Contact:	Dietmar Winkler (dietmar.winkler@tuwien.ac.at) Sebastian Kropatschek (sebastian.kropatschek@acdp.at)

Background:

In the manufacturing industry, quality control is an important aspect of the manufacturing process. Data collection of flaws in the manufacturing is key for tuning the process and reducing costs. Often such data collection systems exist for a certain machine or from a certain manufactuwrer, tying the customer to system and forcing workers to learn and input data into one or more systems. When building a system which can take quality control for an entire process into consideration the need for a tool creating custom user interfaces was found. Such a tool would enable users to create interfaces depicting parts with an overlay of potential quality issues, to be used for data collection in production.

Note that this topic is offered in cooperation with the Austrian Center for Digital Production (CDP, www.acdp.at).

Tasks:

- Develop one page web application for the design of a graphical user interface to be used for quality control of parts in manufacturing domain.

Expertise:

- Good skills in English

- Experience in web development, preferably Vue.js