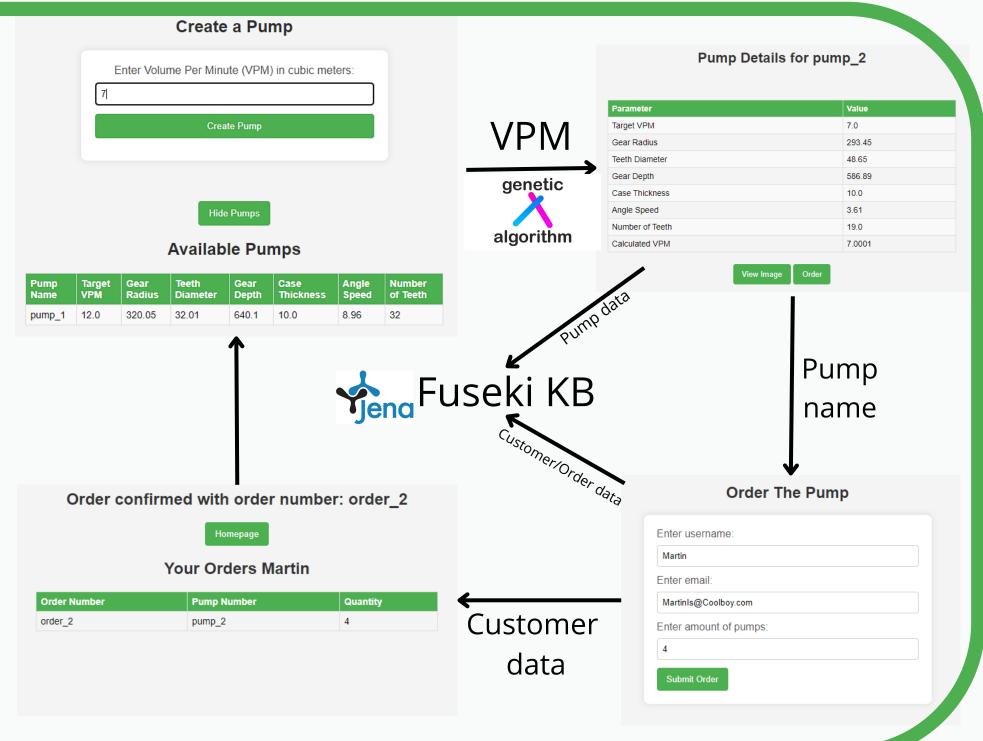
Web-based application for KBE solution

For assignment 3, we were challenged to create a web-based KBE system. This included a web browser as user interface, knowledge base with relevant information and coordination with NX for 3D modeling.

Check if pump exists:



Insert order to KB:





Parameter Value Target VPM (m³) 14.0 Gear Radius (mm) 334.82 Teeth Diameter (mm) 47.82 Gear Depth (mm) 669.64 Case Thickness (mm) 16.74 Angle Speed (rad/s) 6.57

Pump Details for pump 5

View Image Order

Number of Teeth

Calculated VPM (m3)

Pump Details for pump_6

22.0

14.0006



Parameter	Value
Target VPM (m³)	50.0
Gear Radius (mm)	385.36
Teeth Diameter (mm)	96.34
Gear Depth (mm)	770.72
Case Thickness (mm)	19.27
Angle Speed (rad/s)	9.13
Number of Teeth	13.0
Calculated VPM (m³)	49.9992

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