

# Knowledge Technology Practical Experts & Ideas

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# 1 Expert

For this project, we will consult **Klaas Kleine**, one of the two co-owners of Hubo Noordhorn, a hardware store specializing in construction materials, tools, and installation components. He is 56 years old and has been working at Hubo Noordhorn since 2004, giving him more than two decades of practical experience in advising customers on material selection and suitable construction solutions.

# 2 Domain Choice

Based on his expertise, we selected the domain of **fastening and bonding solutions**. This includes the choice of adhesives, screws, bolts, nails, brackets, and related components commonly used in household and professional construction tasks. The system aims to capture his declarative knowledge about selecting the appropriate fastening method given material type, load requirements, environmental conditions, and task constraints. This domain is well suited for a modular knowledge base with rule-based inference, enabling classification and recommendation of suitable fastening solutions for specific construction scenarios.

# 3 In short:

- Klaas Kleine (jasper's father)
- Hardware and woodworking shop owner
- a rule-based model that recommends adhesives, screws, bolts, nails, and brackets based on task and material requirements.

# 4 github

Link to github repository