

KNOWLEDGE FUSION BASED

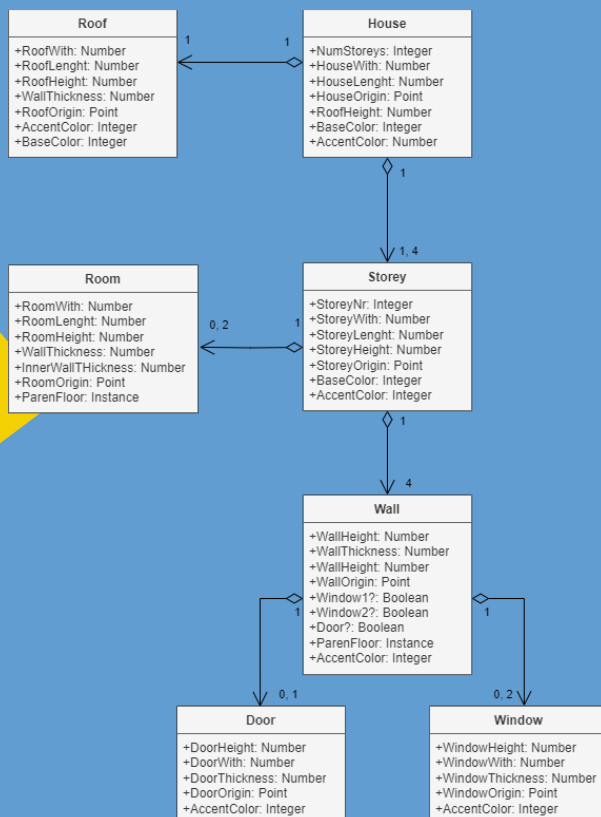
PARAMETERIZED

HOUSE

Problem definition

The goal of this project is to create a Knowledge-Based Engineering (KBE) system for a small house manufacturing enterprise. This system aims to streamline the design and customization of small houses while ensuring they meet specific requirements and standards. This will ultimately contribute to cost reduction and time saving, while ensuring that the generated house designs comply with local building codes and safety regulations, reducing the risk of errors and costly revisions.

UML



UI

Create House

Size Parameters

Number of Storeys (1-4)

2

House length (4-10)

6

m

House width (4-10)

7

m

Roof height (2-3)

1

m

Origin

x

0.0000

y

0.0000

z

0.0000

Color Parameters

Base Color (1 - 210)

190

Accent Color (1 - 210)

210

Layout Parameters

☒ Room front

☐ Room Back

OK

Apply

Cancel