

1

Visual programming environment for engineers and non-programmers to jointly work on robot service design

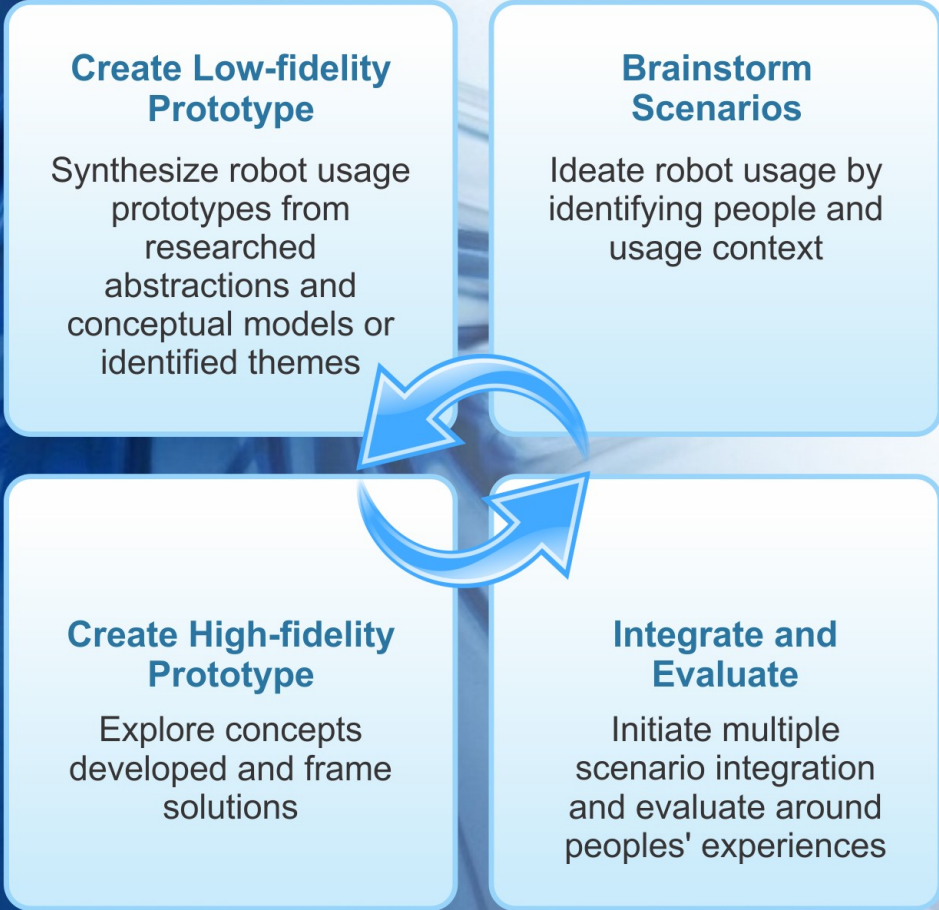
2

Lightweight and non-programmer installation friendly across there different platforms - Windows, Linux and Mac OS X

3

Provides a plug-in environment with flexibility for visual language developers to integrate their languages

RoboDes is a process model that systematically allows details of service design requirements to be incorporated into the final robot software, thus revealing latent needs of the end-users in the early design phases of the development process.



Create Low-fidelity Prototype

Synthesize robot usage prototypes from researched abstractions and conceptual models or identified themes

Brainstorm Scenarios

Ideate robot usage by identifying people and usage context

Create High-fidelity Prototype

Explore concepts developed and frame solutions

Integrate and Evaluate

Initiate multiple scenario integration and evaluate around peoples' experiences

Stage 1
Brainstorm scenarios

Stage 2
Low-fidelity prototype

Stage 3
Highfidelity prototype

