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HCA
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Explainable Robot Navigation

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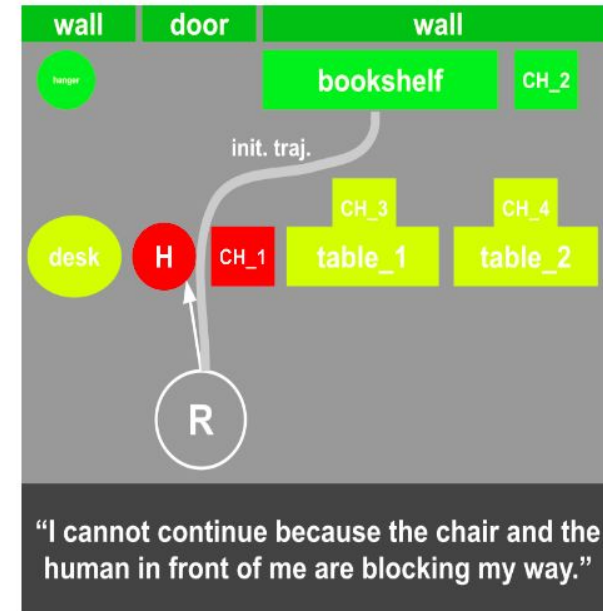


Motivation

- Explainability in Robotics
- Social and Service Robotics
- Explainable AI and Robotics
- Robot Navigation



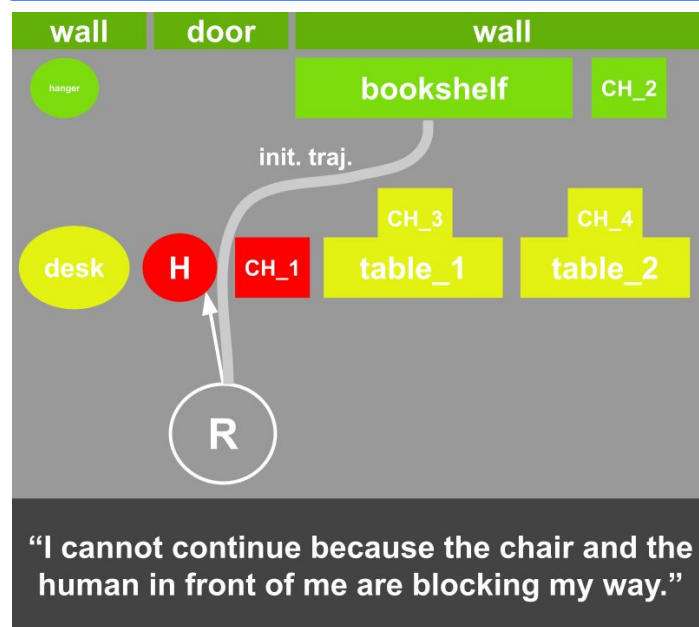
(a) Navigation scenario



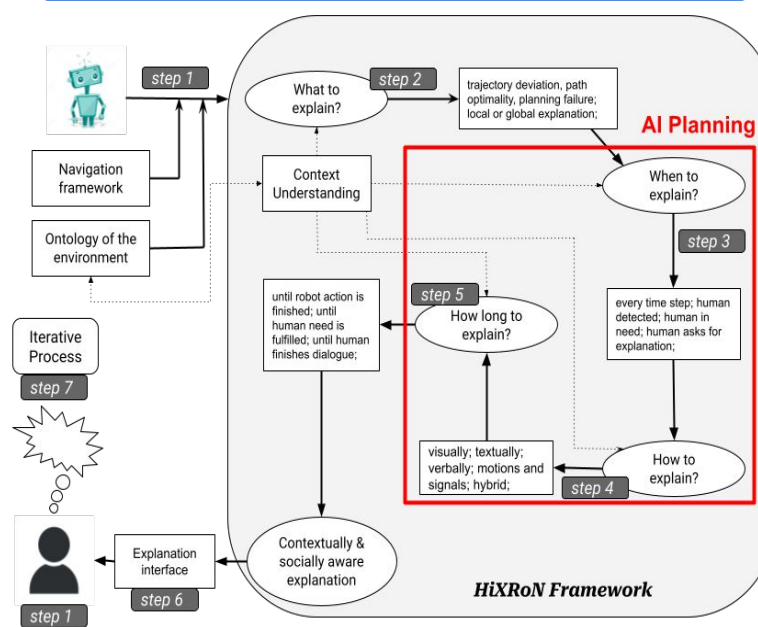
(b) Corresponding explanation

Thesis Contributions

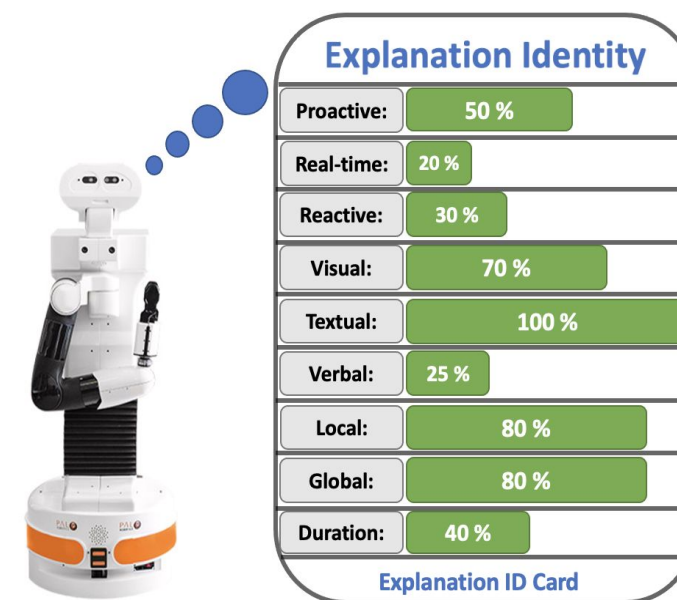
Environmental Explanations



Explanation Planning



Robot Explanation Identity



A large orange circle is positioned on the left side of the slide, partially cut off by the edge.

Thank you for
your attention!

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