



SBB HoloGuide

Preventive Maintenance through AR

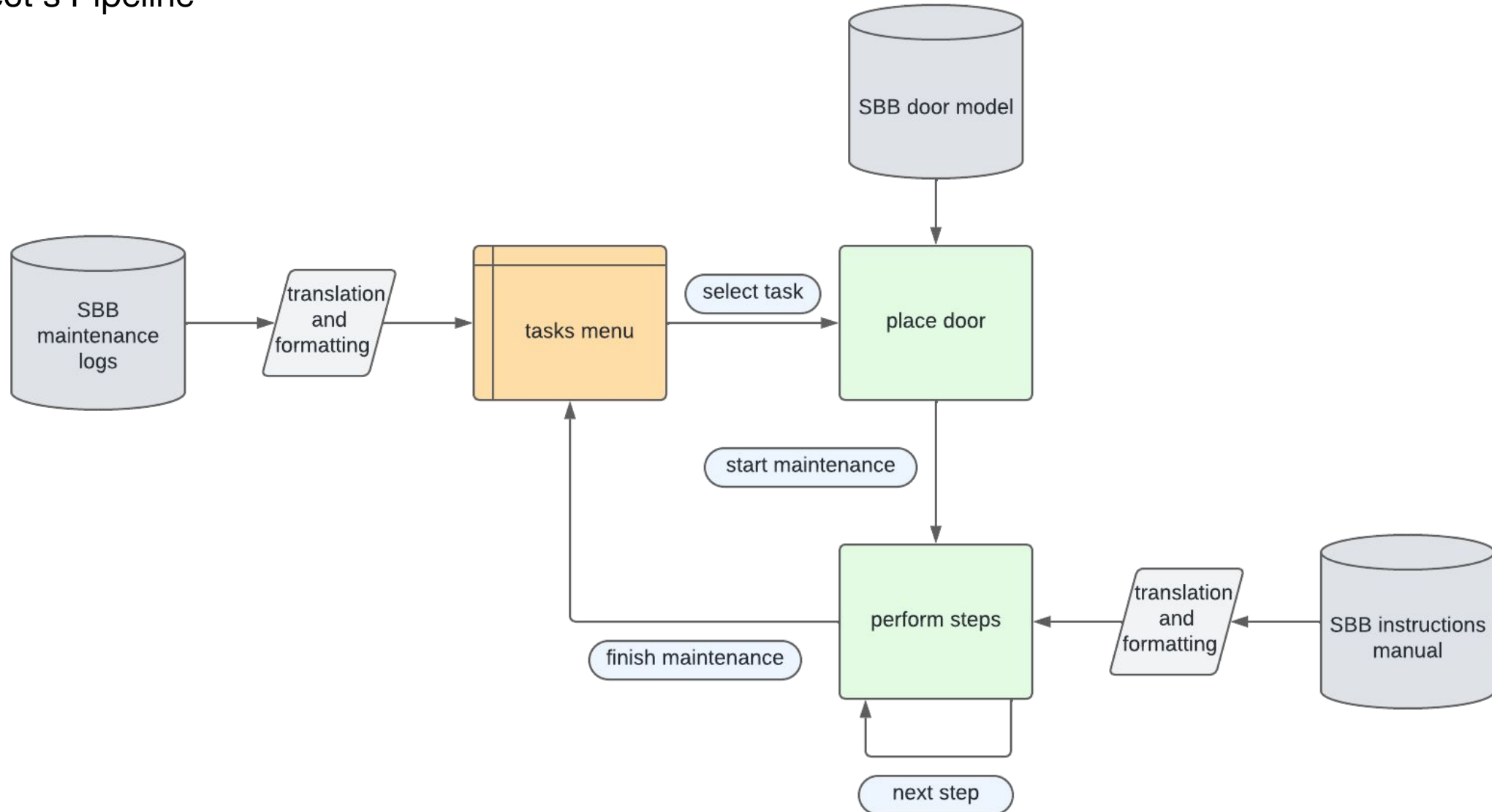
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Midterm project presentation
11 November 2024

Context: Project's Goal

To develop an **AR** application for SBB operators using Microsoft **HoloLens 2** to streamline train **door maintenance** by **highlighting** relevant components and providing step-by-step **guidance**.

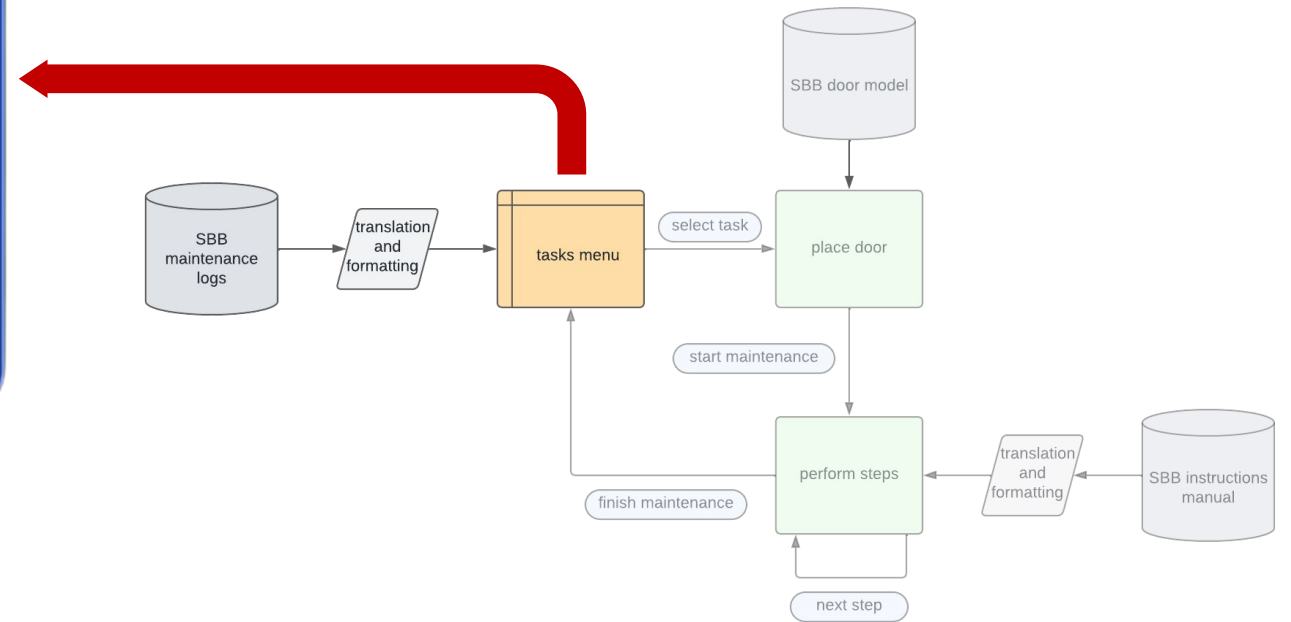


Project's Pipeline

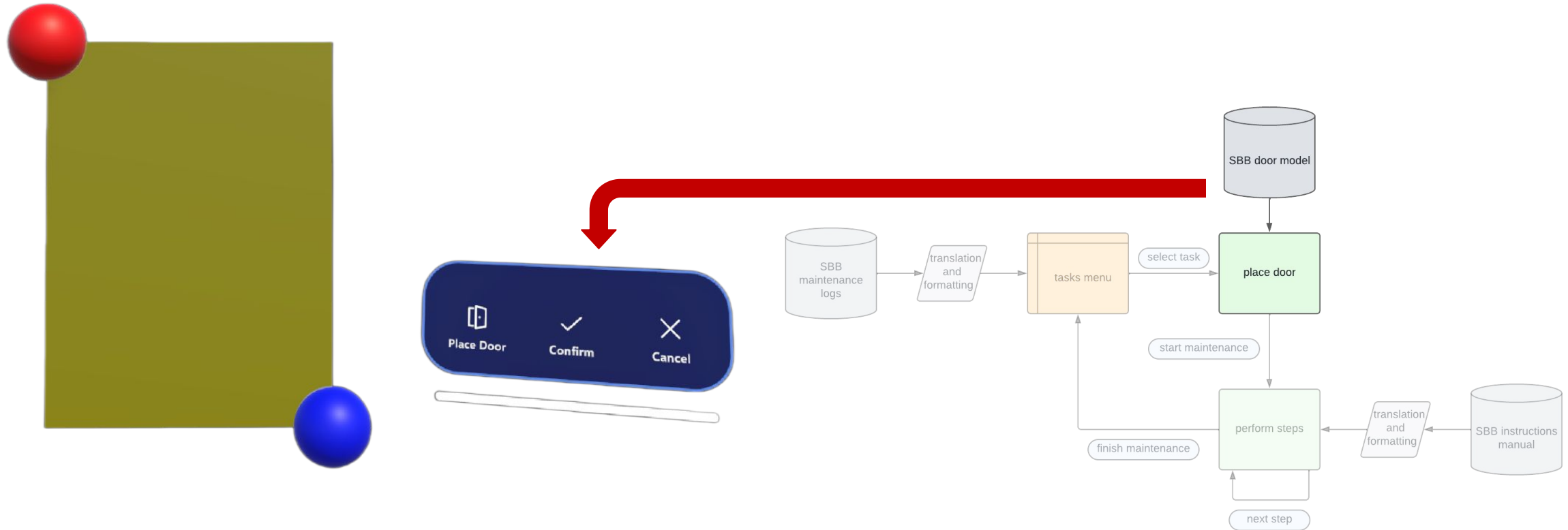


Tasks Menu: Results

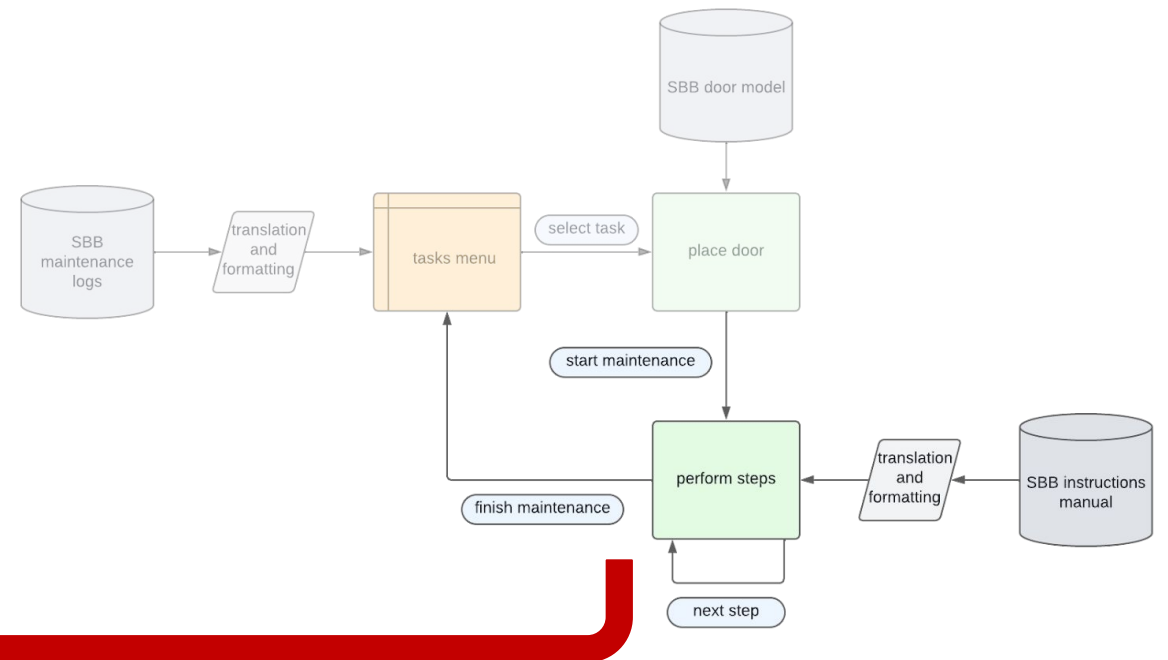
!	Problem	Train Nr.	Door Nr.
■	Replace primary latch	015-5	3
■	Drive motor malfunction	001-5	1
■	Computer error	047-8	3
■	Computer does not work	023-9	2



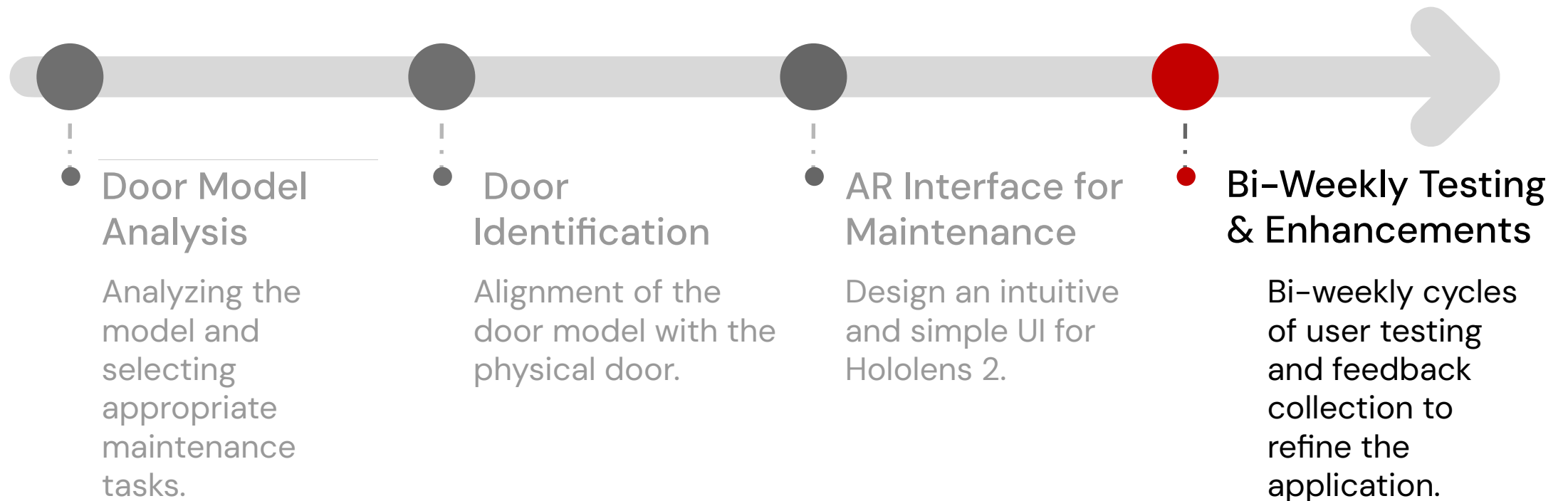
Door Placement: Results



Steps Menu: Results



Where are we?



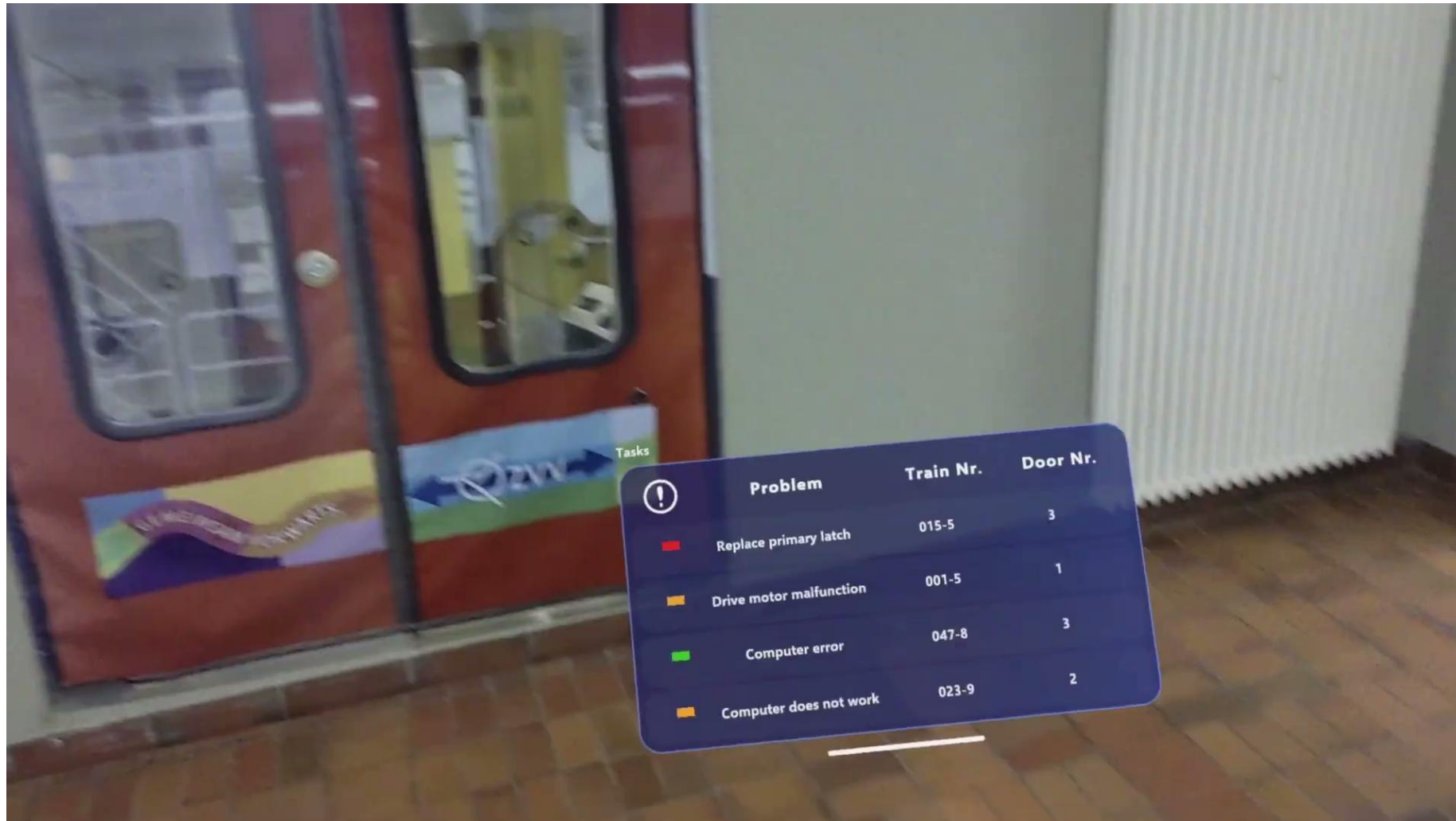
Where are we?

From the initial project proposal...

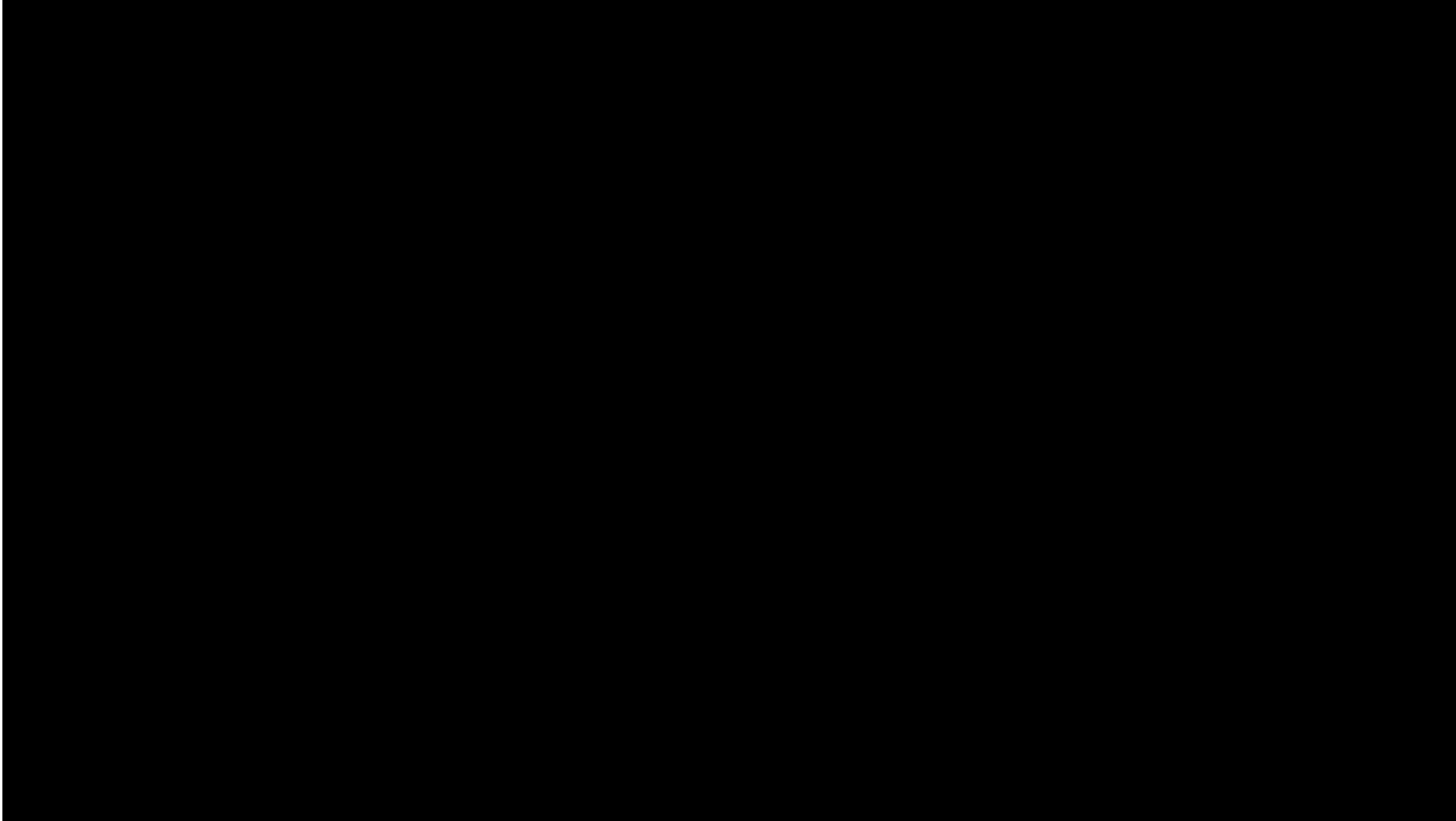
“We aim to present a functional prototype at the midterm presentation.”



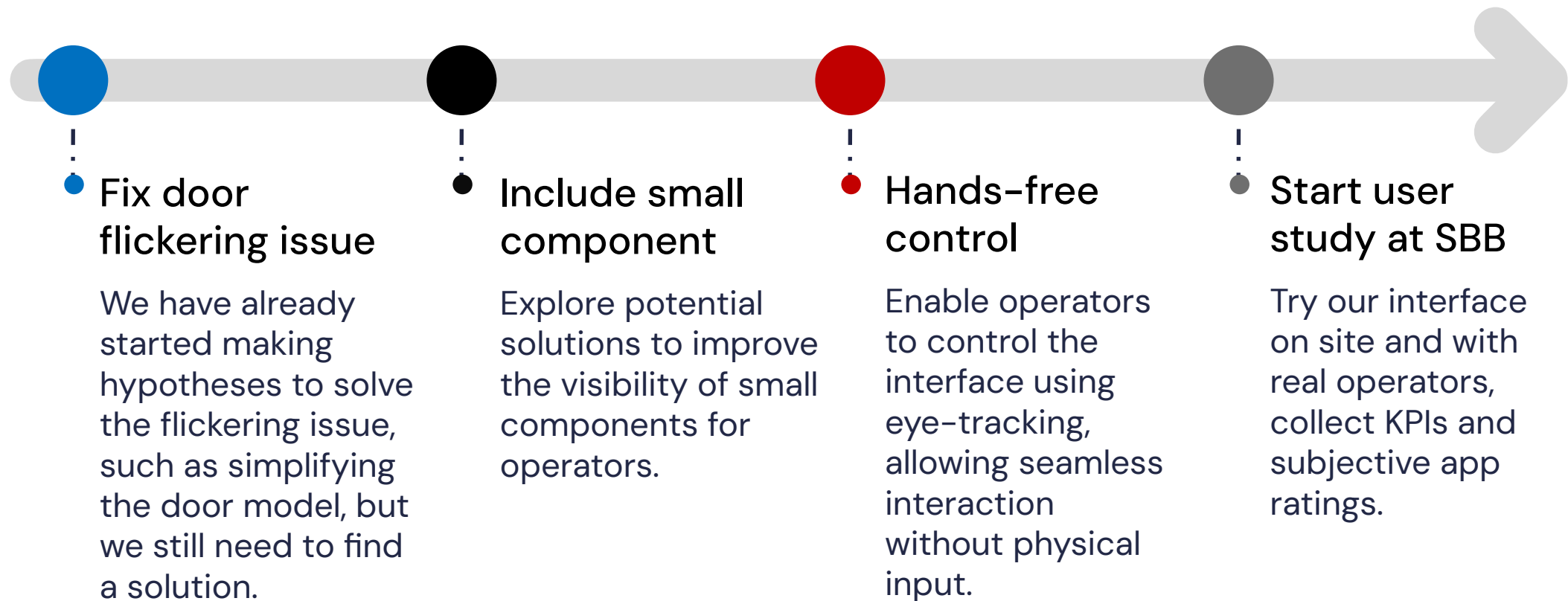
Current Demo

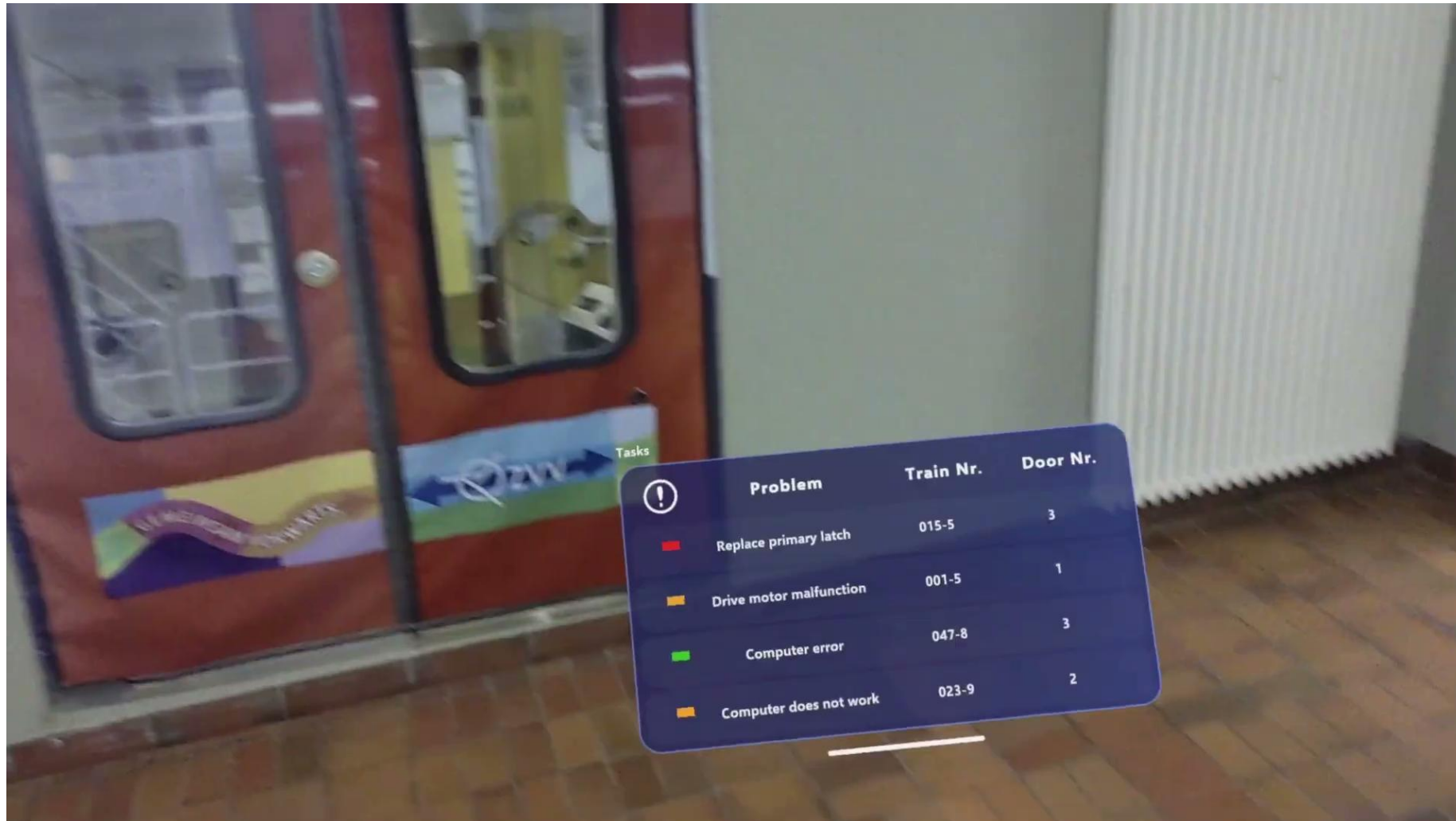


Future challenge: fix door model flickering



Next Steps





Thanks for the attention!