INSTALILY.AI

Background:
This case study aims to develop a chat agent for the [PartSelect](#) e-commerce website. Given the extensive product catalog, the focus will be on Refrigerator and Dishwasher parts. The agent's primary function is to provide product information and assist with customer transactions. It is crucial that the chat agent remains focused on this specific use case, avoiding responses to questions outside this scope. Focus on the user experience and the extensibility of your implementation.

Setup
You will be provided with code for a react frontend with basic message functionality. Feel free to adjust the frontend code as needed to add functionality (or style it however you would like!). The frontend code is linked here:
https://github.com/Instalily/case-study

You will have to create and set up a backend that will successfully answer user queries. When you are ready to deploy, use the [Google Chrome Side Panel](#) extension found here:
chrome://extensions/

Backend
Choose any backend architecture that you would like. You are free to use any online tools, vector databases, and supplementary materials in your approach.

Success Criteria:
Your case study will be evaluated based on but not limited to the extensibility and scalability of your approach, agentic architecture, and ability to answer user queries accurately and efficiently. Below is a list of example inquiries. These should serve as a foundation to guide your approach, while keeping in mind that your solution should not be confined solely to these examples.

      1. How can I install part number PS11752778?

2. Is this part compatible with my WDT780SAEM1 model?
3. The ice maker on my Whirlpool fridge is not working. How can I fix it?

Time:
Up to 5 days from receipt.

For any questions, please reach out to iris@instalily.ai.