

Problem Statement

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Many individuals and families frequently waste food and money at home due to a lack of visibility/awareness of the items in their refrigerators. It is often challenging to keep track of the items hidden behind others or forgotten due to limitations in prospective memory. This leads to food waste, which not only disrupts the environmental cycle but also results in unnecessary financial decisions that can strain household budgets. Many households rely on memory or inconsistent manual checks to monitor their fridge contents, which can be inefficient and unreliable. While some communities have developed effective routines, not all individuals have access to proven, manageable methods. Managing factors such as expiration dates, duplicate items, meal planning, and storage space requires attention that could be better spent on more meaningful activities. Therefore, there is a need for a reliable system to help individuals organize, stay informed about, and efficiently manage the contents of their refrigerator.

References

OpenAI. (2025). ChatGPT (Aug 25 version) [Large language model].

<https://chat.openai.com/chat>