

An Information Management Application for Food Storage and Culinary Recipes “PantryPlus — Smart Storage, Tasty Ideas”

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Abstract

This project concerns the creation of an intelligent web application — PantryPlus, designed for storing household products, controlling inventory and managing culinary recipes. The main goal of the project is to reduce the problem of underutilization of food, neglect of expiration dates and product waste using modern information technologies. One of the main challenges is effective data management and constant availability of important information for the user. The basic set of recipes in the system will be available offline, and an expanded global database of recipes — within the framework of the paid version. The application provides automatic notifications, recipe recommendations, storage tips and Text-to-Speech functionality. The project can also become an integral part of a smart home system. The expected result is the creation of a user-oriented, stable and user-friendly application that will reduce food waste, improve the organization of daily processes and create the basis for further expansion of the system.

References

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