

Innovative Domestic Waste and Food Management: A Consumer Producer Approach

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Abstract: Food and waste management remain pressing challenges in today's world, especially in densely populated regions where resources are often stretched thin. This project, "Innovative Domestic Waste Food Management: A Consumer-Producer Approach," takes a practical step towards addressing these issues by focusing on reducing food waste and redistributing surplus food to those in need. This food donation application aims to minimize food waste and address food insecurity by connecting food producers (donors) with consumers (recipients) through a user-friendly mobile platform. The system enables producers to post surplus food items, including details like quantity and preparation time, while consumers can browse and accept these donations, facilitating direct communication and coordination via an integrated chat feature. This approach streamlines the donation process, ensuring efficient redistribution of food and fostering community engagement to support those in need..

Keywords: food donation, food waste reduction, mobile application, community engagement, food insecurity, producer, consumer, chat feature, efficient redistribution

