

Second Servings: A System for Food Resource Optimization

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Abstract: *Food waste is a growing global problem that is bad for the environment and bad for society. Second Serving App is an Android based solution that reduces food wastage through the redistribution of surplus food from donors to the needy people. The app is built using Java for the backend, XML for the frontend and MySQL for the database, offering a secure and userfriendly way for users to post, view and claim food donations. Real time notifications, GPS based location tracking and the efficient data storage adds up to the functionality of the application. Registration, logging in, posting food details or browsing and claiming available donations is very user friendly. The app makes sure that the users are updated regularly and share accurate information. The Second Serving App, through the encouragement of responsible food sharing, contributes to sustainable development goals by creating community support. Because of its scalable architecture, it is a practical and impactful solution to minimize food waste and support hunger relief efforts*

Keywords: Food Wastage, Food Waste Management , Donors , Customer Service

