



Expenditure Management Based on User Generated Receipts

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Expenditure Management?

Introducing the Expenditure Management System, an innovative solution designed to address the challenges faced by individuals who primarily rely on cash transactions. The accumulation of physical receipts can be difficult to manage and archive, and this software offers a practical, user-friendly approach to tackle this issue.

How Does It Work?

Simply take a photo of a receipt, using the companion app, and the OCR AI technology will read and store the relevant details of the expenditure. View details of each transaction after logging in/registering on the web application.



Pre/post Processing

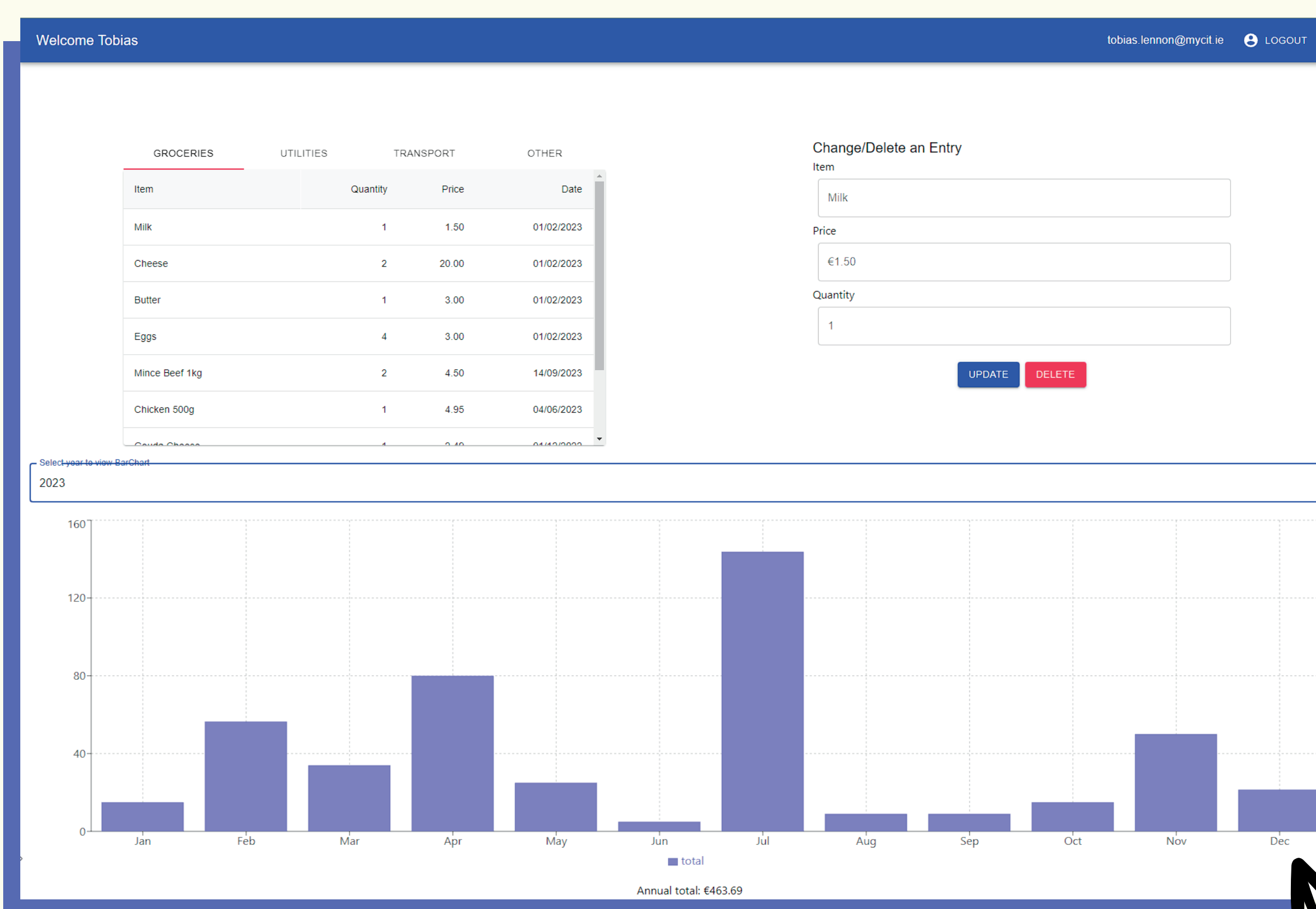
Receipt images are preprocessed with techniques like deskewing, binarization and greyscale. Result is postprocessed into a dictionary and stored.

SNACK	*	EUR3.99
CRACKERBREAD	*	EUR1.85
TESCO WATER2L	*	EUR2.49
JALAPENOS	*	EUR1.12
OREGANO	*	EUR1.96
REUSABLE BAG	*	EUR0.99
2 @		EUR1.98
TESCO CRISPS	*	EUR1.35
CUSTARD CREAMS	*	EUR0.59
H/NUT C/FLAKES	*	EUR1.19
CRACKERBREAD	*	EUR1.85

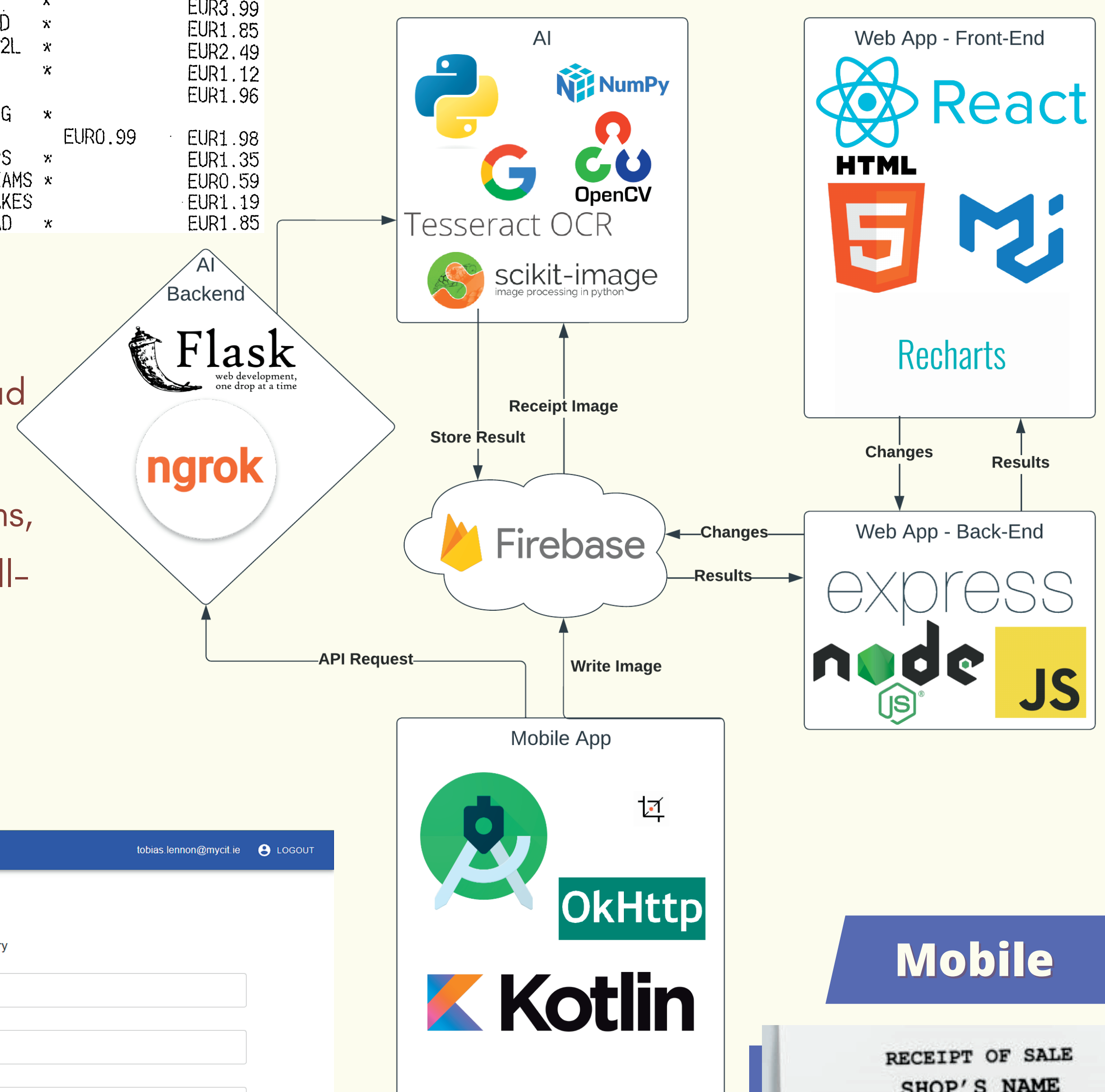
Research

Research indicates that financial literacy can lead to improved spending habits. Well-informed individuals tend to make better financial decisions, ultimately contributing to enhanced financial well-being.

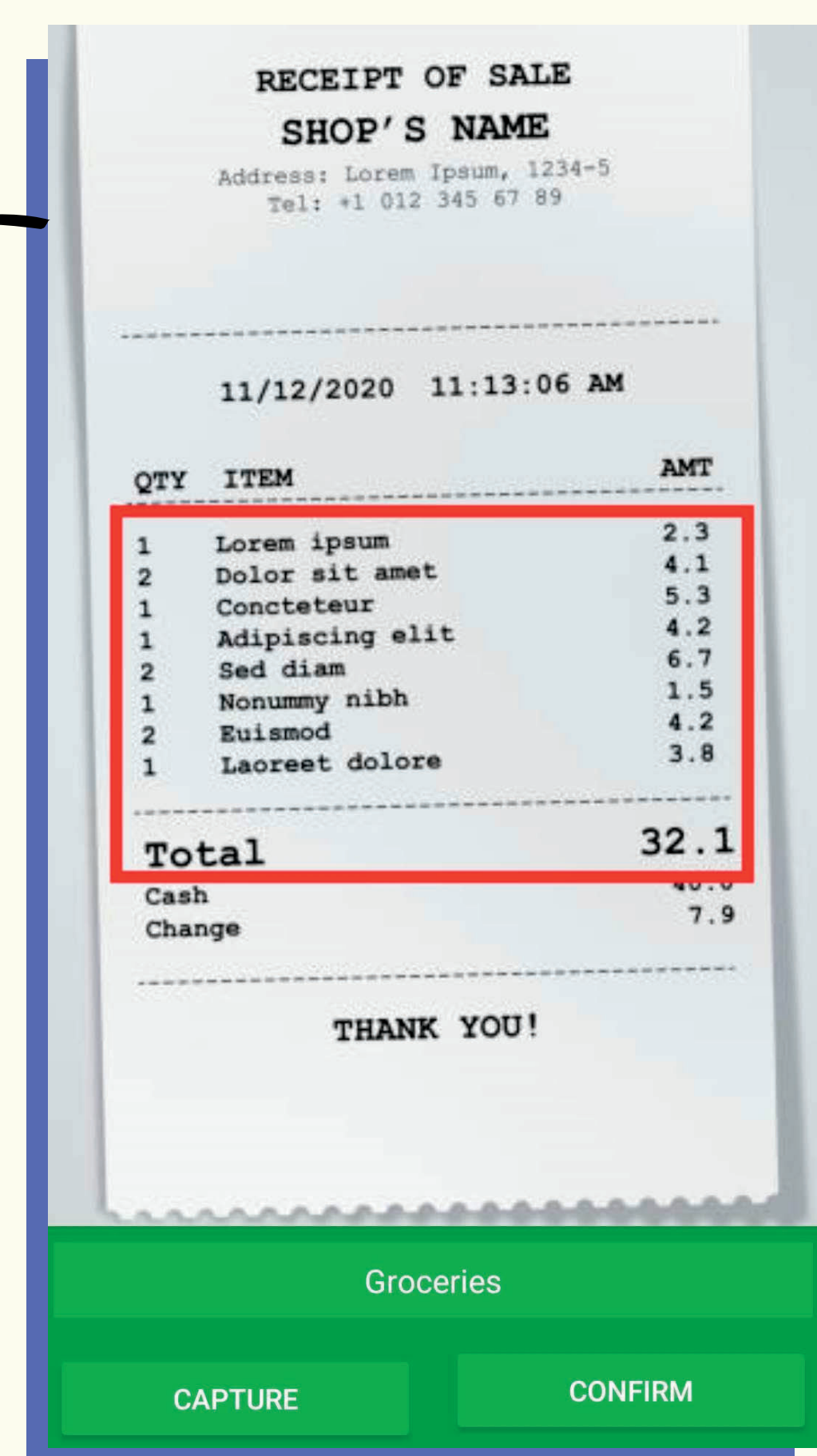
Website



Architecture



Mobile



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References:

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- Fernandes, D., Lynch Jr, J. G., & Netemeyer, R. G. (2014). Financial Literacy, Financial Education, and Downstream Financial Behaviors. Management Science