

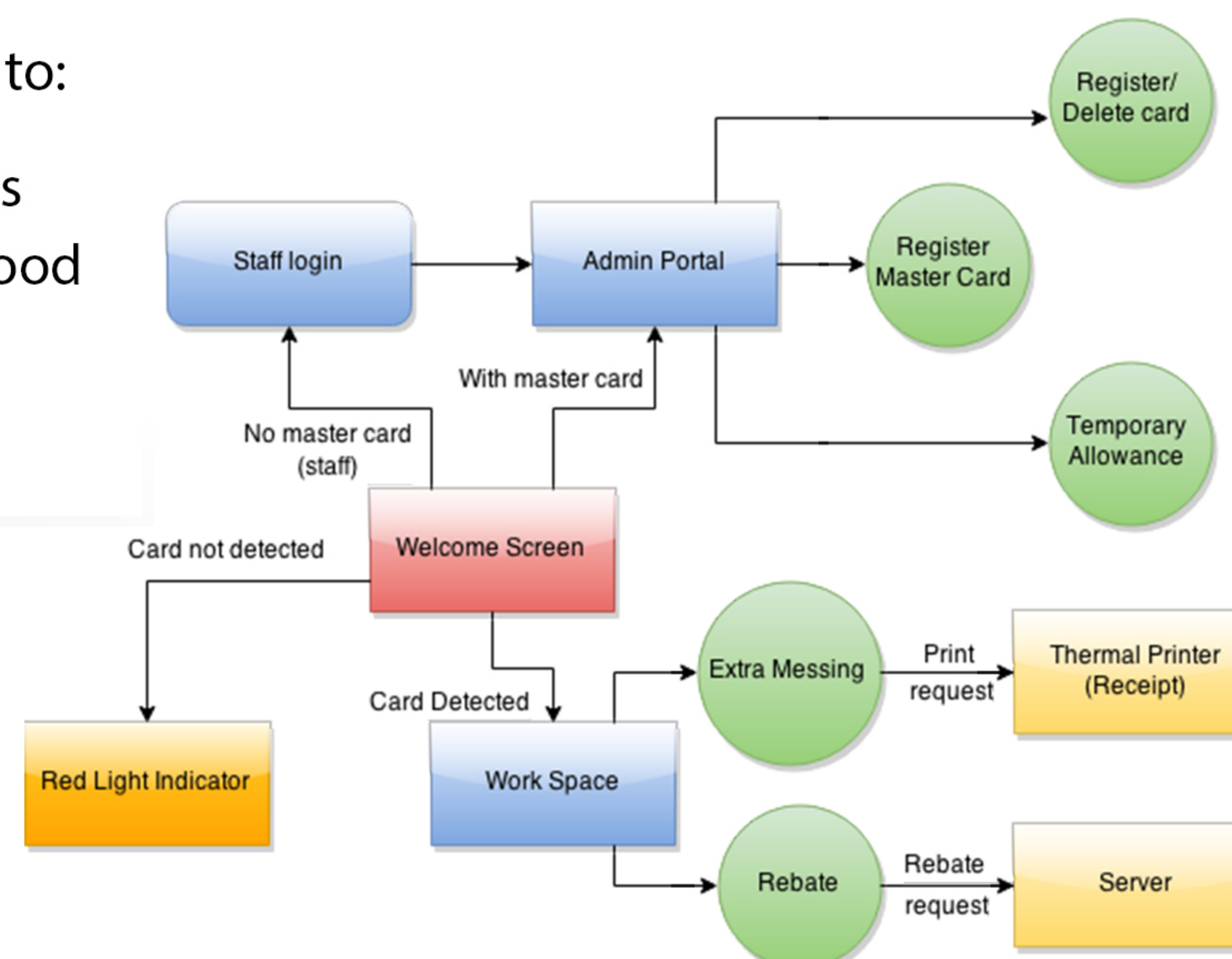
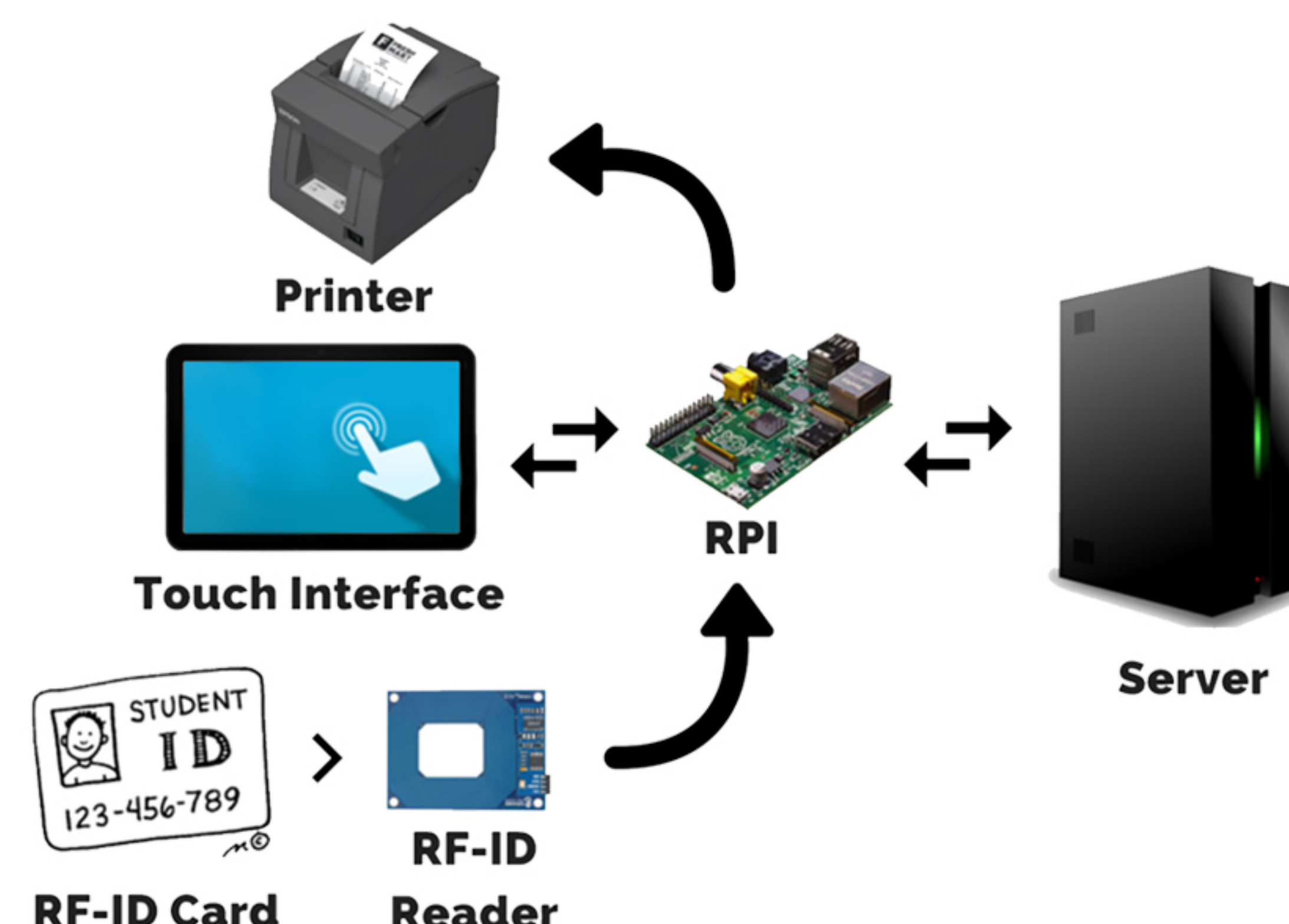
RFID based Mess Authorization and Accounting System

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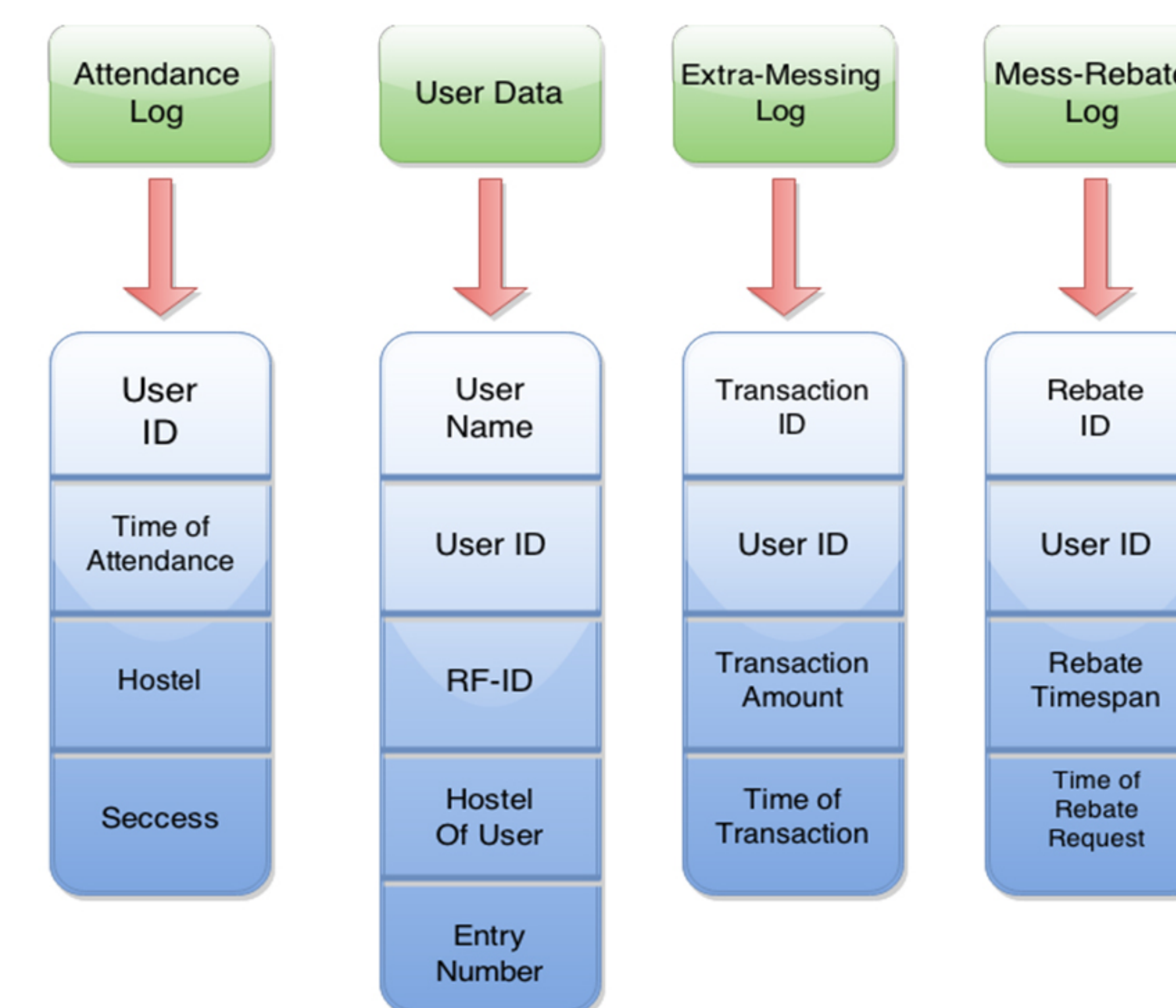
Objective

Develop a RFID based system for use in hostel mess to:

- » Authorize admission to hostel residents and guests
- » Predict attendance to reduce wastage of surplus food
- » Simplify rebate system and extra messing
- » An online interface for administrative tasks



User Interface flow



Server Database Design

Motivation

- » Outsiders often dine in the mess at the expense of residents.
- » Residents are charged for all meals, a manual attendance system is hard to implement.
- » A form has to be filled several days in advance for rebate requests.
- » Extra messing coupons have to be issued in bulk and carried around to avail.

Extensions

- » Use bluetooth to automatically mark attendance when user comes in range.
- » Measure amount of food actually wasted, relate with attendance and menu to give useful insights.

Project Supervised by **Prof. M. Balakrishnan**
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