

Debre Berhan University

College of Computing

Department of Computer Science

Course: CoSc4083 – Mobile Application Development

Assessment 3: App Development Project – 3

Last Commit: Friday, April 14, 17:30 EAT

Group: _____

Name

ID

_____	_____
_____	_____
_____	_____
_____	_____

Instruction:

- Work in group
- Develop a mobile /android/ app a simple POS machine app that use a SQLite database as a data store.
- Create a github repository and publish your project.
- Every member of the group should contribute at the same time in different part of the project
- Invite the github user “chalewt” /Chalew Tesfaye/ as a contributor to your project

Evaluation:

Criteria	Weight	Score
User Interface (UX/UI)	5	
Validity and passing the given test case	10	
Git commit and contribution	5	
Total:	20	

Task: You have been tasked with developing a POS machine application that contains two activities, one for item registration and the other for conducting sales.

The image shows a smartphone screen with a UI mock for a 'POS Register Item' application. The screen is framed by a rounded rectangle representing the phone. At the top, there is a status bar with a signal strength indicator, a battery icon, and the time '21:04'. Below the status bar is a header bar with a hamburger menu icon on the left and the title 'POS Register Item' in the center. The main content area contains four input fields, each with a label to its left: 'Code' with a small rectangular input field, 'Item' with a longer rectangular input field, 'Unit' with a small rectangular input field, and 'Unit Price' with a small rectangular input field. Below these input fields are two buttons: 'Save' on the left and 'Reset' on the right. The entire screen is set against a light gray background.

Figure 1: POS Item registration UI mock

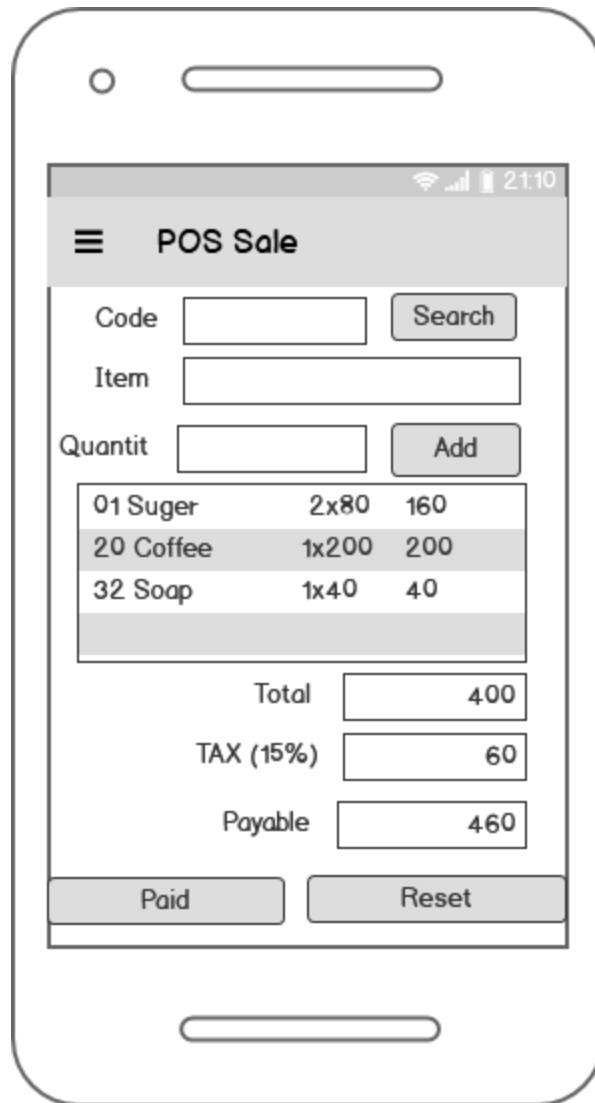


Figure 2: POS - Sale UI mock

Expected Operation: The POS machine will be expected to perform:

- Register item to local SQLite database
- Provide interface to search an item with code and list the item to the cart and calculate the subtotal, tax and total.
- When the sales completed with paid save the transaction information.
- (Bonus) Add an activity for sales summary and transaction information and write the appropriate logic code.