

Sales Record

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Problem Addressed



Problem
Addressed

A photograph of a man in a dark suit and glasses, leaning forward over a very tall, narrow stack of papers on a desk. He has his head resting on his hand, looking upwards with a weary expression. The stack of papers is taller than the man himself. The background is a plain, light-colored wall.

Problem
Addressed



Problem
Addressed

Solution Goals

An android app to accelerate replacement of paper record-keeping for sales

Easy-to-use and simple interface

Record of a shop should be accessible across multiple devices simultaneously

Multiple shops should be able to use the app

Technologies Used

IDEs

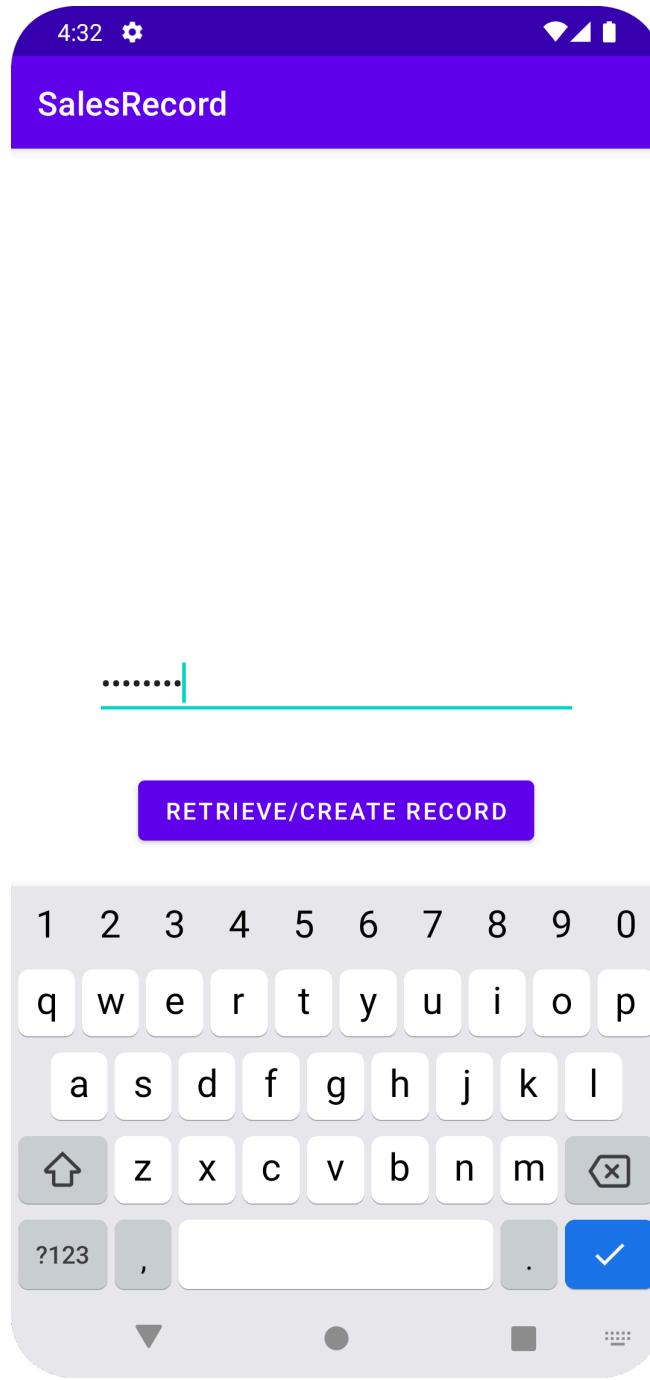
Android Studio
PHPStorm

Database and Interaction

MySQL
phpMyAdmin

Languages

Java
PHP
SQL



Design

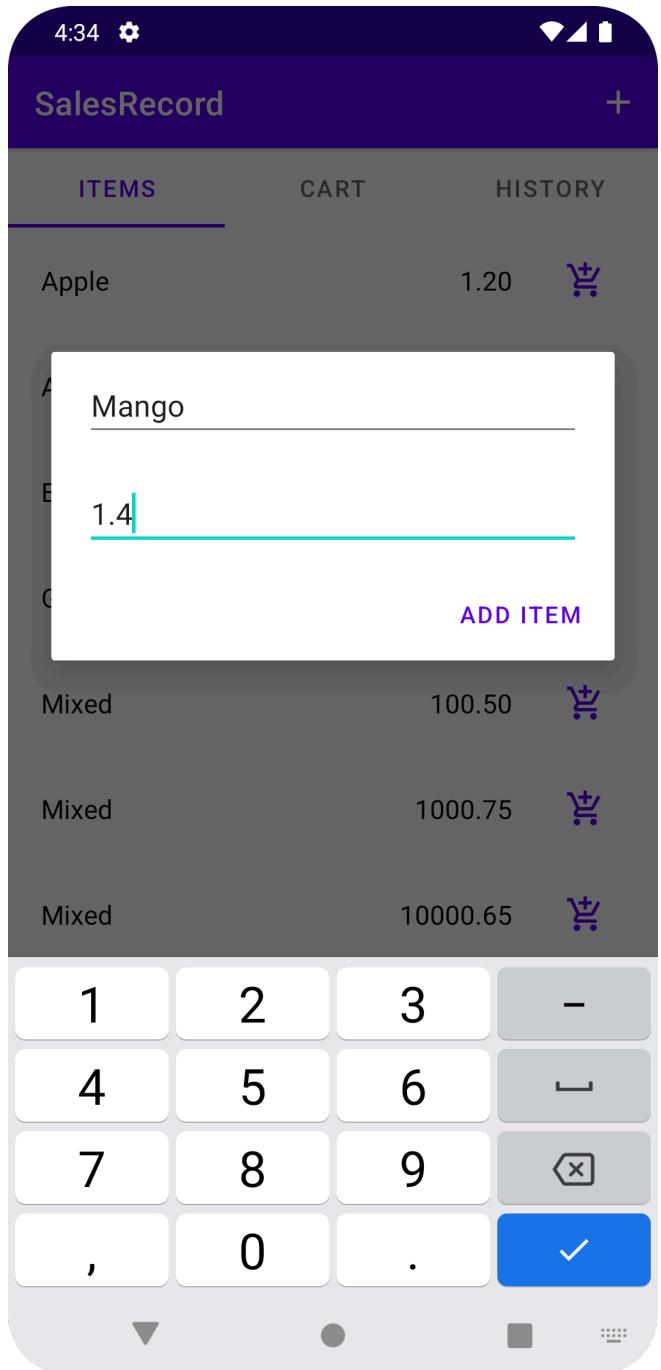
Log-in Activity

The screenshot shows a mobile application interface with a purple header bar. The title 'SalesRecord' is at the top left, and a '+' icon is at the top right. Below the header, there are three tabs: 'ITEMS' (underlined in blue), 'CART', and 'HISTORY'. The main content area displays a list of items with their names, prices, and a cart icon.

ITEMS	CART	HISTORY
Apple	1.20	🛒
Apricot	1.30	🛒
Banana	0.75	🛒
Grape	0.10	🛒
Mixed	100.50	🛒
Mixed	1000.75	🛒
Mixed	10000.65	🛒
Mixed	100000.25	🛒
Orange	1.10	🛒
Pineapple	3.00	🛒

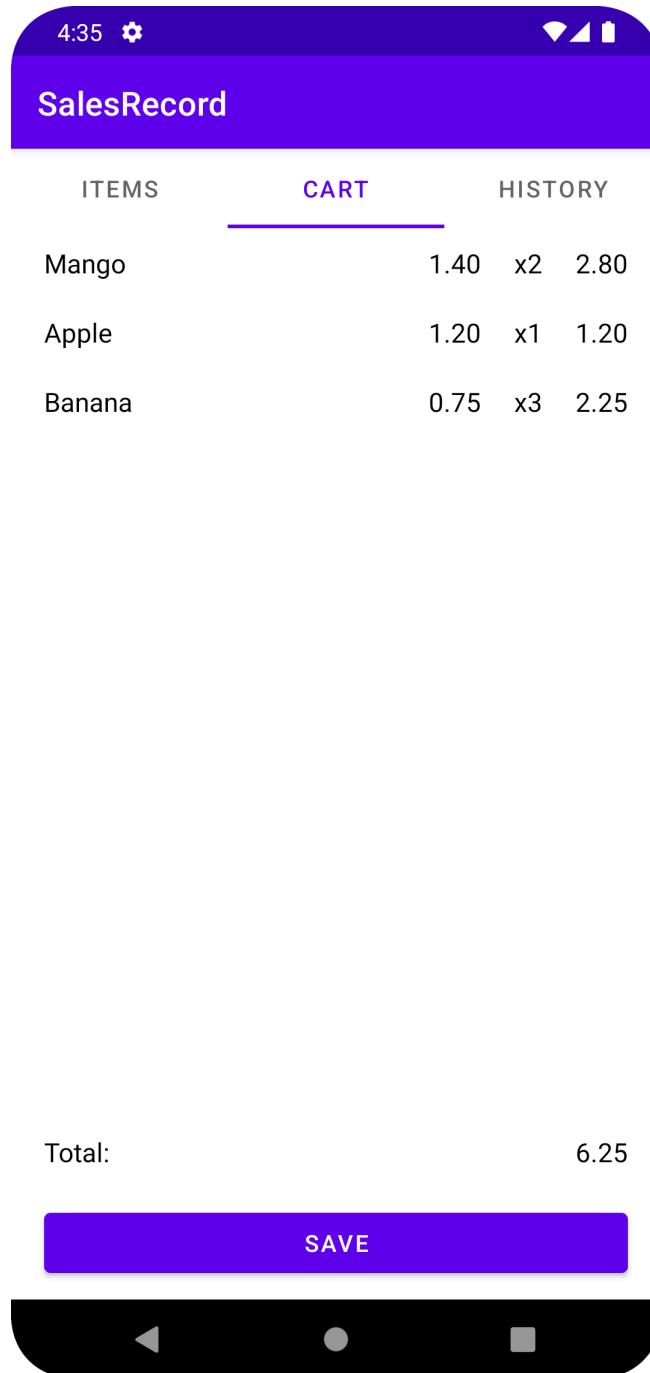
Design

Items Fragment



Design

Item Add Dialog



Design

Cart Fragment

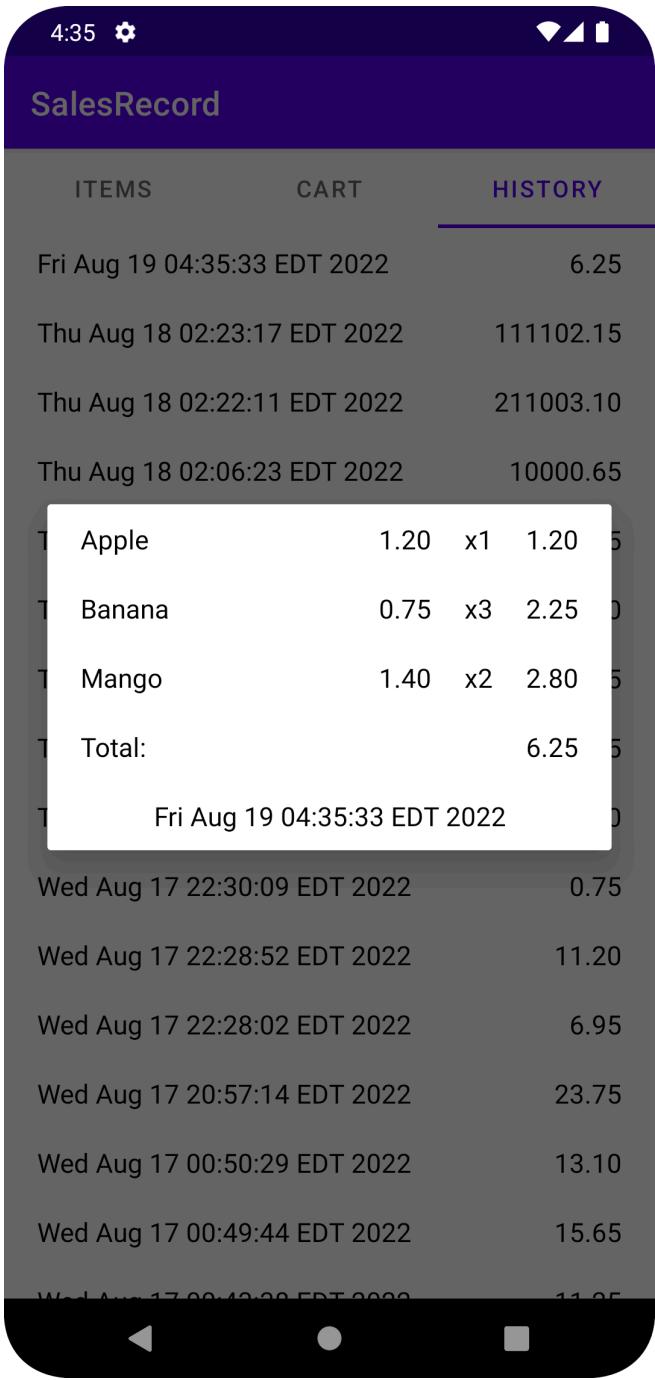
4:35 🔍

SalesRecord

ITEMS	CART	HISTORY
Fri Aug 19 04:35:33 EDT 2022		6.25
Thu Aug 18 02:23:17 EDT 2022		111102.15
Thu Aug 18 02:22:11 EDT 2022		211003.10
Thu Aug 18 02:06:23 EDT 2022		10000.65
Thu Aug 18 02:05:54 EDT 2022		1000.75
Thu Aug 18 02:05:17 EDT 2022		100.50
Thu Aug 18 01:59:34 EDT 2022		100006.05
Thu Aug 18 00:54:18 EDT 2022		5.55
Thu Aug 18 00:31:43 EDT 2022		4.90
Wed Aug 17 22:30:09 EDT 2022		0.75
Wed Aug 17 22:28:52 EDT 2022		11.20
Wed Aug 17 22:28:02 EDT 2022		6.95
Wed Aug 17 20:57:14 EDT 2022		23.75
Wed Aug 17 00:50:29 EDT 2022		13.10
Wed Aug 17 00:49:44 EDT 2022		15.65
Wed Aug 17 00:49:39 EDT 2022		11.25

Design

History Fragment



Design

History Details Dialog

Design

Software architecture

Android app

Server containing PHP files and database

Java code (GET request) → PHP API (SQL query) → database

Database → PHP API (JSON) → Java code (ArrayLists)

Design

Items Table

Name	Type	Collation
id 	int(11)	
record_id 	varchar(100)	utf8mb4_bin
name 	varchar(100)	latin1_swedish_ci
price 	double	

Name	Type	Collation
id 	int(11)	
date_time	varchar(100)	latin1_swedish_ci
total	double	

Design

History Entries Table

Name	Type	Collation
id 	int(11)	
record_id	varchar(100)	utf8mb4_bin
name	varchar(100)	latin1_swedish_ci
price	double	
quantity	int(11)	
entry_id	int(11)	

Design

History Details Table