



Department of Computer Science & Engineering
SOUTHEAST UNIVERSITY
Course - Internship / CSE489

Supervised By

Mahbub Hasan
Lecturer,
Department of CSE
Southeast University

Presented By

Azhar Ullah
2020000010069
Department of CSE
7th Batch (Diploma)

Gratitude and Acknowledgments for Internship Completion.

First of all, I would like to thank Almighty Allah for His grace to complete my internship on time.

I would like to express my gratitude to the **Department OF CSE** to keep internship credit in the curriculum of the graduation program. I am also grateful to the where I'm doing my internship, **Door Soft LTD.** to arrange an opportunity for choosing me to work here and complete internship.

I would like to thank my internship supervisor **Mr. Mahbub Hasan** sir, for his help in guiding me through the completion of this Presentation.

About Internship

Name Of the Company: Door Soft

Designation: Software Engineer

Starting Time: 01/05/2024

Ending Time: 31/10/2024

Currently I'm working on OFF POS software, I focused on supporting big data within the software, optimizing it for fast response, analyzing competitor product features, developing new features, implementing offline sync capabilities, and creating a system for easy migration from other software.

Work Schedule:

Days: Sunday to Thursday

Hours: 10:00 AM to 6:00 PM

Company Profile & My Role

Door Soft creates high-quality, market-ready digital products for CodeCanyon, focusing on tools that streamline workflows and accelerate project timelines. With a portfolio of feature-rich plugins and advanced templates, Door Soft prioritizes functionality, user experience, and ease of customization. Committed to raising industry standards, Door Soft aims to support developers globally with reliable, innovative solutions.

My Role of this company as a **Software Engineer**. In my internship period I supported big data integration, optimized product performance, analyzed competitor features, streamlined migration from other software, and developed new features to boost sales.

About OFF POS

Purpose: Off POS (https://dsbeta.work/dsdemo/off_pos.php) is a comprehensive retail POS and CRM stock management software. It enables easy management of business activities such as sales, purchases, sale returns, purchase returns, and handling of damaged goods.

User-Friendly: This software is easy to install, features an innovative product searching system during sales, and supports seamless database migration from other software.

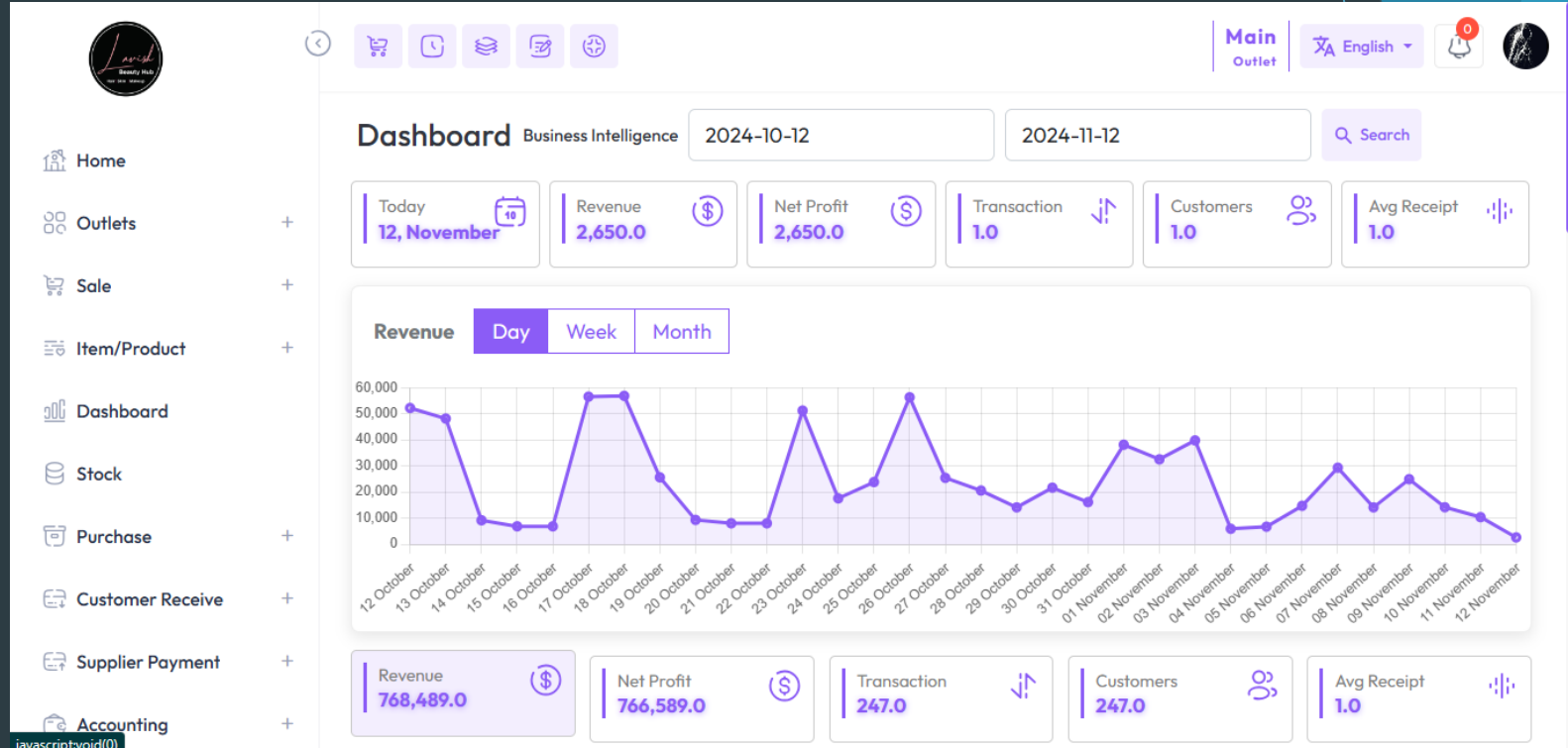
Wide Range of Products: Off POS designed to support a wide range of business types, including fashion boutiques, mobile and computer shops, pharmacies, supermarkets, and service centers.

OFF POS Application Key Features:

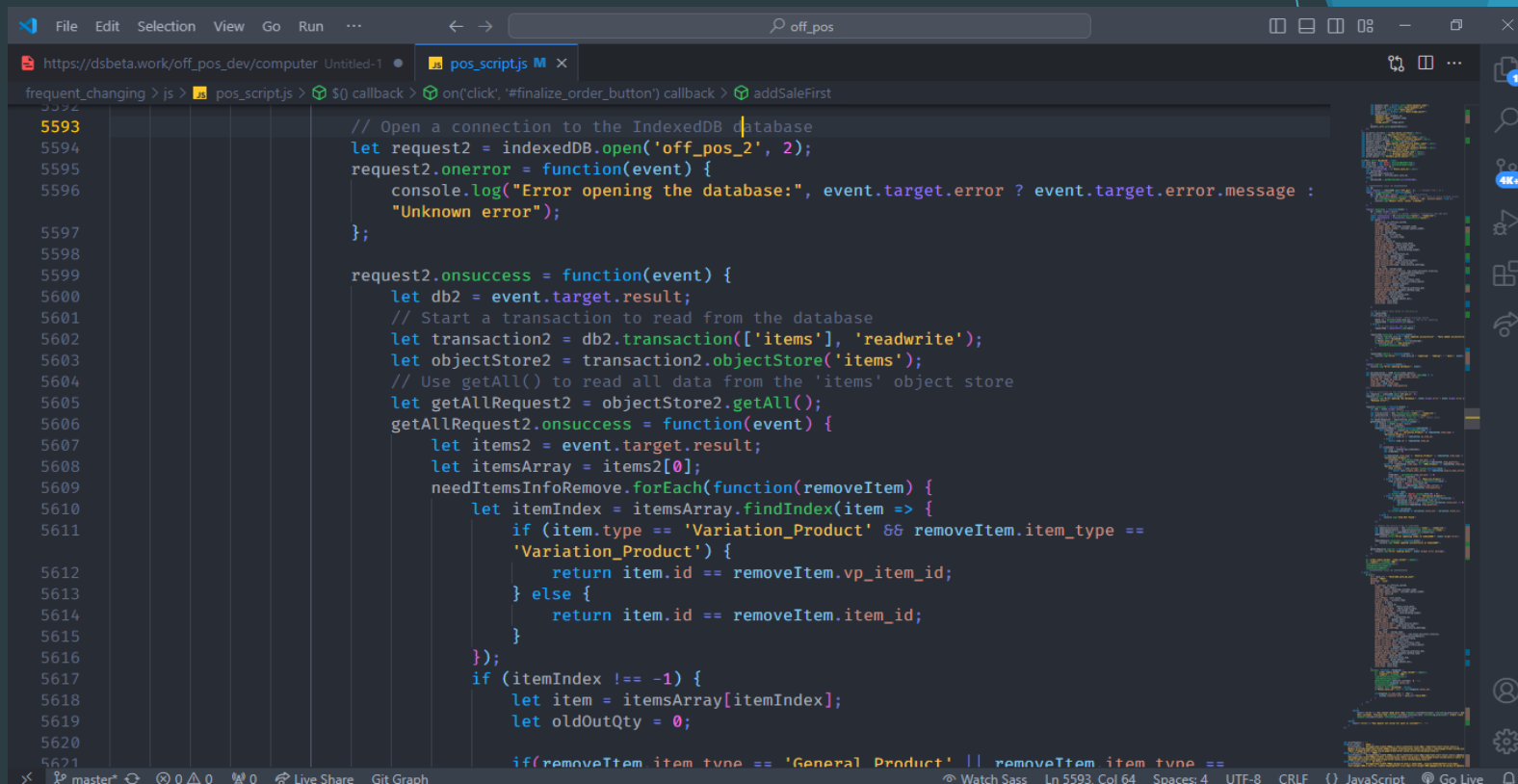
- ❑ User Login & SaaS Registration
- ❑ Large & Scalable Stock with unique IMEI & Serial number
- ❑ Offline sale when internet goes and online sync when internet comes
- ❑ Inovative Dashboard
- ❑ Multiple business solution in one software



OFF POS Application Dashboard Snapshot:



Code Snapshot of offsync features:



The screenshot shows a code editor with a dark theme. The top bar includes a menu (File, Edit, Selection, View, Go, Run), a search bar with the text 'off_pos', and window management icons. The address bar shows 'https://dsbeta.work/off_pos_dev/computer'. The editor has two tabs: 'pos_script.js' (active) and 'Untitled-1'. The code is JavaScript, using comments to describe the context of each line. The code defines a function to open an IndexedDB database, handle errors, and perform a transaction to read and potentially remove items from a store named 'items'. The code is wrapped in a function that takes 'event' as an argument.

```
5593 // Open a connection to the IndexedDB database
5594 let request2 = indexedDB.open('off_pos_2', 2);
5595 request2.onerror = function(event) {
5596     console.log("Error opening the database:", event.target.error ? event.target.error.message :
5597         "Unknown error");
5598 };
5599
5600 request2.onsuccess = function(event) {
5601     let db2 = event.target.result;
5602     // Start a transaction to read from the database
5603     let transaction2 = db2.transaction(['items'], 'readwrite');
5604     let objectStore2 = transaction2.objectStore('items');
5605     // Use getAll() to read all data from the 'items' object store
5606     let getAllRequest2 = objectStore2.getAll();
5607     getAllRequest2.onsuccess = function(event) {
5608         let items2 = event.target.result;
5609         let itemsArray = items2[0];
5610         needItemsInfoRemove.forEach(function(removeItem) {
5611             let itemIndex = itemsArray.findIndex(item => {
5612                 if (item.type == 'Variation_Product' && removeItem.item_type ==
5613                     'Variation_Product') {
5614                     return item.id == removeItem.vp_item_id;
5615                 } else {
5616                     return item.id == removeItem.item_id;
5617                 }
5618             });
5619             if (itemIndex !== -1) {
5620                 let item = itemsArray[itemIndex];
5621                 let oldOutQty = 0;
5622
5623                 if(removeItem.item_type == 'General Product' || removeItem.item_type ==
```


Product Stock in Browser IndexedDB for Offline Sale

The screenshot displays a web application interface with a top navigation bar containing various icons and buttons like 'Urban', 'Regular', 'Online', 'All', 'Brand', 'Most Selling', and 'Promo'. Below this is a header section with a 'Select Employee' dropdown, a 'Walk-in Customer' dropdown, and a search bar. The main content area shows a product catalog with items like 'All' and 'Mobile' categories, and a list of products including '3G/4G LTE All Operator SIM Supported WiFi Modem & Wi-Fi HotSpot Wireless USB Dongle', '4G USB Wifi Modem', 'ACI Pure Flour (Atta)', 'ACI Smart Detergent Powder', 'Aligori Pajama', 'Apple 16GB DDR4 3200MHz SO-DIMM', 'Apple 8GB DDR4 2666MHz SO-DIMM', 'Apple iPad (10th generation)', 'Apple M1 Chip', 'Apple M1 Pro Chip', 'Apple MacBook Air 13-inch', 'Apple MacBook Pro 16-inch', 'Apple Pro Display XDR', 'Apple Thunderbolt', 'Apple Watch SE (GPS + Cellular)', 'Apple Watch Series 8 (GPS + Cellular)', 'Asus 4G-AC68U (AC1900 4G LTE Router)', and 'Asus 4G-N12 (N300 4G LTE Router)'. The bottom section shows a storage inspection tool with a sidebar listing storage locations like 'Local storage', 'Session storage', 'IndexedDB', 'LogsDatabaseV2:10941483657472...', 'ServiceWorkerLogsDatabase', 'YtldbMeta', 'irestora_plus', 'off_pos', 'sales', 'off_pos_2', 'items', 'off_pos_3', 'Cookies', and 'Private state tokens'. The 'off_pos_2' and 'items' folders are highlighted. The main pane shows a table with columns '#', 'Key (Key ...)', and 'Value'. The table contains a single entry with key '105' and a value representing a list of products. The value is a JSON array of objects, each representing a product with fields like 'id', 'name', 'type', 'code', and 'expiry_date_maintain'.

Technology

FRONT-END

- ☐ HTML
- ☐ CSS
- ☐ Bootstrap
- ☐ JavaScript
- ☐ jQuery

BACK-END

- ☐ PHP
- ☐ Codeigniter 3
- ☐ Third Party Libraries
- ☐ MySQL (Database)
- ☐ Browser IndexDB



Project Description & Links

The major responsibility I had worked as a web developer and I worked on two project:

Project Name : Off POS

Project Url : https://dsbeta.work/dsdemo/off_pos.php

Project Type : Web Application

Technology : HTML, CSS, Bootstrap, Javascript, jQuery, PHP, Codeigniter 3, mySql, Browser IndexDB

Project Name : iRestora Plus.

Project Url : https://doorsoft-demo.com/irestora_plus/

Project Type : Web Application

Technology : HTML, CSS, Bootstrap, Javascript, jQuery, PHP, Codeigniter 3, mySql, Browser IndexDB

Soft Skills

- ☐ Teamwork and Collaboration
- ☐ Time Management
- ☐ Self-esteem & Confidence
- ☐ Quality of Work
- ☐ Communication Skill
- ☐ Personal Responsibility
- ☐ Problem Solving
- ☐ Respect and Negotiation



Technical Skills

- ❑ Proficiency in programming languages
- ❑ Competitor Market analysis
- ❑ New Features development
- ❑ Software Optimization
- ❑ Software Database Design
- ❑ Testing and debugging
- ❑ Customer Support



Thank you all for your attention.