

Vendor Payment & Bank Statement Manager

Excel Add-in Developed Using
Node.js, Yo Office & Office.js

Introduction

- The Vendor Payment & Bank Statement Manager is an Excel Add-in that automates vendor payment recording, manages real-time account balances, and generates reports directly in Excel.

Built using Node.js for runtime, Yo Office for automated setup, and Office.js for seamless Excel integration.

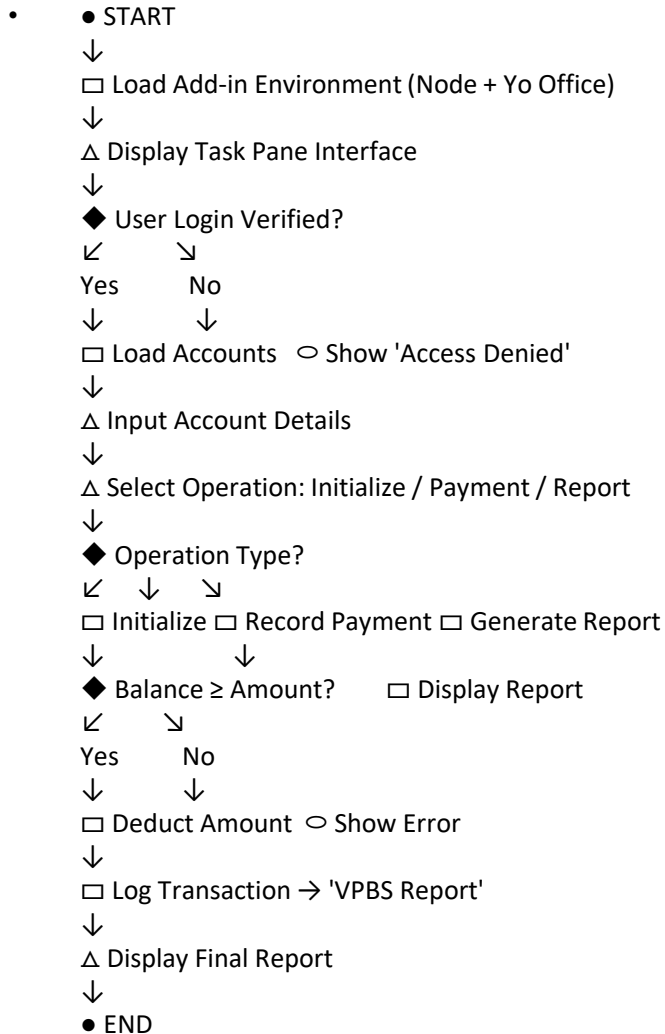
Development Environment

- 1. Node.js – Provides runtime and npm for package management.
- 2. Yo Office – Automatically creates the complete Excel Add-in structure.
- 3. Office.js – Connects the Add-in interface with Excel workbooks.
- 4. Excel.run – Executes Excel operations within a safe context for accuracy.

Project Structure (Generated by Yo Office)

- Vendor-Payment-Manager/
 - ├── manifest.xml – Defines Add-in setup for Excel.
 - ├── package.json – Dependencies and scripts.
 - ├── server.js – Local HTTPS server.
 - └── webpack.config.js – Build and bundle configuration.
 - └── src/
 - ├── taskpane/ (taskpane.html, taskpane.js, taskpane.css)
 - └── commands/ (commands.js)






Functional Flow Diagram



Workflow Summary

- 1. Initialization – Node.js loads Add-in in Excel.
- 2. Authentication – User login ensures security.
- 3. Account Setup – Displays account balances.
- 4. Record Payment – User selects vendor and amount.
- 5. Validation – Checks balance before deduction.
- 6. Logging – Saves transaction to 'VPBS Report'.
- 7. Report – Generates a complete summary.

Key Features

-  Built automatically using Yo Office.
-  Integrated through Office.js for live Excel control.
-  Uses Excel.run for safe and accurate updates.
-  Tracks multiple accounts and vendor payments.
-  Instant Excel-native reporting and summaries.

Outcome

- The Vendor Payment & Bank Statement Manager streamlines financial operations inside Excel, offering a fully automated, error-free, and efficient workflow for vendor payment management.

Result: Accurate • Efficient • Professional • Excel-Integrated.