



Rabbit

Financial Document Processing & Accounting Workflow Automation

The Brief

Mboweni Accountants is a small accounting practice serving SMEs. Clients provide financial information through PDF bank statements, receipts and other records. The practice uses tools such as CaseWare, Excel and Microsoft Word to perform accounting and reporting activities.

The objective was to reduce the manual effort required to move transaction information from client-provided documents into a usable accounting workflow.

The Challenge

Bank transactions received as PDFs had to be manually copied into CaseWare before further accounting work could begin.

The process was repetitive and created opportunities for transcription errors. It also consumed time and attention that could otherwise be spent on accounting analysis and client work.

The Approach

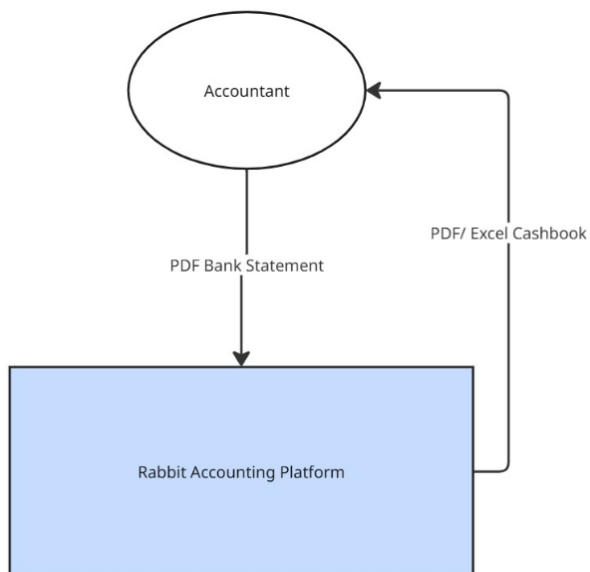
I analysed the existing workflow together with stakeholder requirements and designed Rabbit as a document-processing solution to create a structured bridge between client provided bank statements and downstream accounting activities.

The solution:

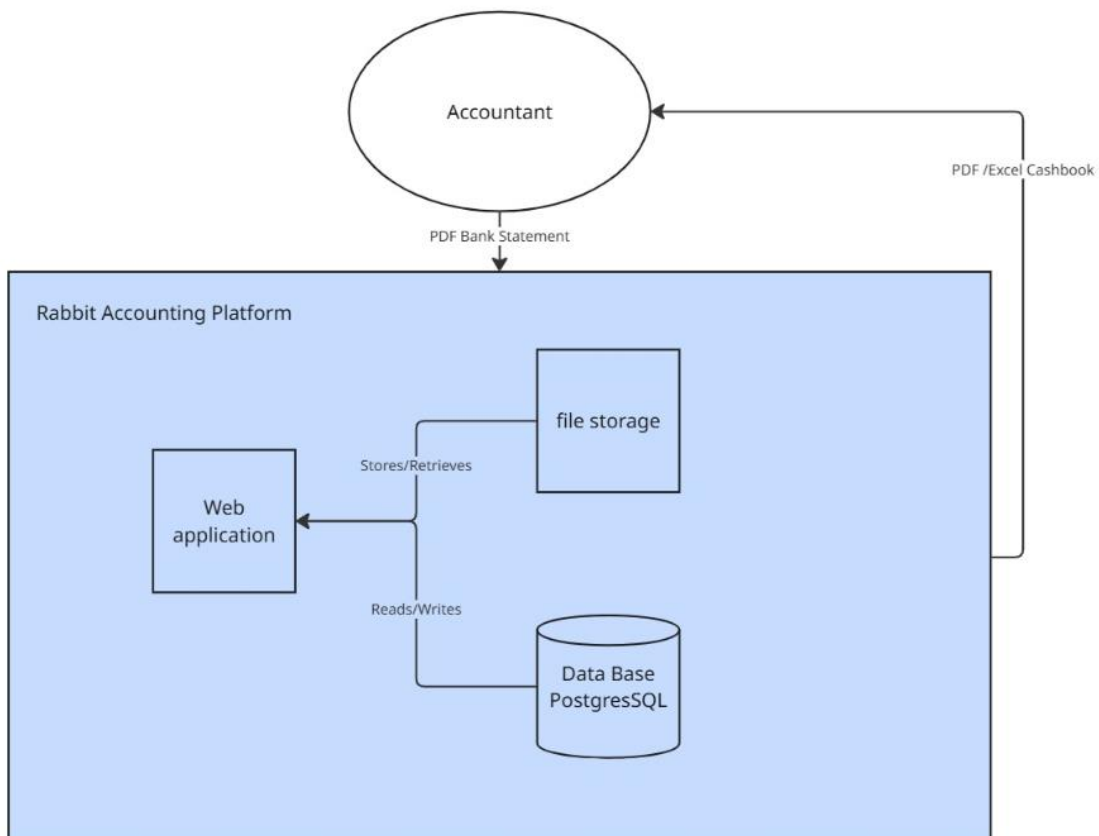
- Accepts supported bank statement PDFs
- Extracts transaction records
- Transforms them into structured financial data
- Stores transaction information
- Supports transaction categorisation through sundries
- Produces downloadable Excel data
- Calculates a cashbook
- Generates a PDF cashbook

System Architecture

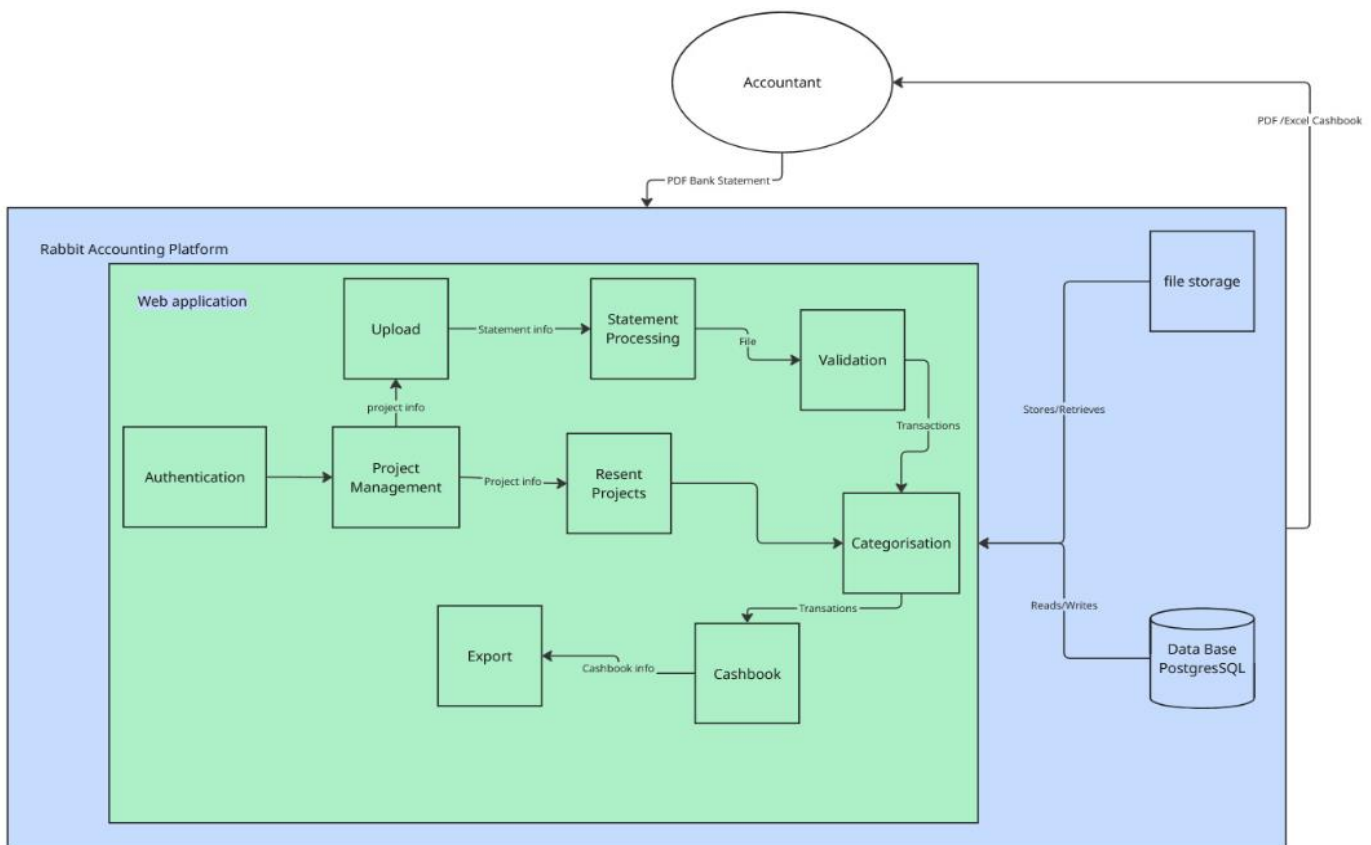
Context



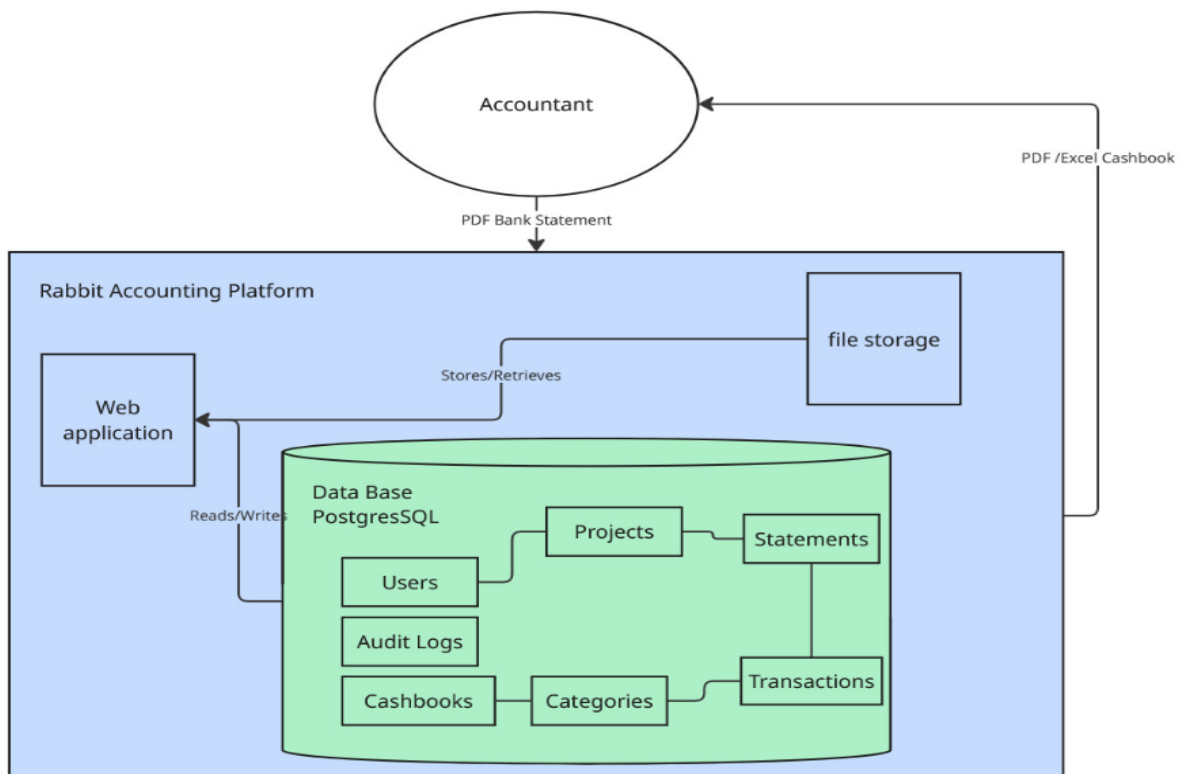
Conainer



Components



Components



Data Structure

The screenshot displays the Rabbit accounting software interface. At the top, the 'Rabbit' logo is on the left, and 'Dashboard' and a user profile 'baloyi' are on the right. Below the header, the 'Mahlori' account is selected, with a 'Back to Upload' link. Navigation tabs include 'Account Journal', 'Cash Book', 'Categorized Report', and 'Summary'. The main area shows summary statistics: 'OPENING BALANCE R-981.79', 'CLOSING BALANCE R-2922.43', and 'TRANSACTIONS 30'. Below these are filters for 'Start Date', 'End Date', and 'Filter by Sundry' (set to 'All'). A 'Filter' button and a 'Clear' link are present. A blue banner prompts the user to 'Review and categorize your transactions below' with a 'Save All Changes' button. The transaction table has columns: DATE, DESCRIPTION, AMOUNT, SUNDRY, and BALANCE. It lists three transactions from March 2026, with a total balance of R-932.69 at the bottom.

DATE	DESCRIPTION	AMOUNT	SUNDRY	BALANCE
2026-03-20	#Service Fees #Payments Bundle Fee	R20.00	Bank Charges	R-961.79
2026-03-25	POS Purchase Top Vending 412752 * 3326 20 Mar	R25.00	General Provisions	R-936.79
2026-03-28	Byc Debit 63161952453	R4.10	General Provisions	R-932.69

Table Columns:

Field	Purpose
Date	Transaction date
Description	Bank transaction description
Amount	Transaction value
Sundry	Accounting classification
Balance	Running account balance

The Outcome

Rabbit can currently process supported bank statement formats and transform transaction records into structured Excel-based accounting information and a generated cashbook.

The solution shifts part of the workflow from manual transaction capture toward automated extraction and structured processing.

Current Limitations

Rabbit remains under development. Bank statement formats differ between institutions, so extraction currently supports selected banks. Unrecognised transaction descriptions may also require manual sundry allocation.

What I Learned

The project taught me that automation is not simply about removing manual work. The more important question is where human attention creates the most value. Rabbit therefore automates repetitive transaction capture while retaining human judgement where business interpretation is still required.

Rabbit Screenshots

Rabbit

Log In

Username*

baloyi

Password*

••••••

Log In

Need An Account?

Sign Up Now

Rabbit

Dashboard | baloyi

Financial Projects

New Project +

Recent Projects

test1

test2

test3

test4

test5

Rabbit

Dashboard | baloyi

Upload PDFs

Drop your bank statements here to begin parsing.

Click to upload or drag and drop

(PDF files only (Max 10MB))

Selected: 52d07b6e82281ce3ab52c60f52cd3388.pdf

Process & Analyze -

Rabbit

Dashboard | baloyi

CASH BOOK

Mahlori

Download PDF

Download Excel

Date	Description	Debit	Credit
2026-03-20	#Service Fees #Payments Bundle Fee	20.00	
2026-03-25	POS Purchase Top Vending 412752 * 3326 20 Mar	25.00	
2026-03-28	Byc Debit 63161952453	4.10	
2026-03-31	POS Purchase Shoprite Dlamini 412752 * 3326 29 Mar	186.27	
2026-03-31	POS Purchase Pep Cell 4660 Sowet 412752 * 3326 29 Mar	299.99	
2026-04-02	Payshap Account On - Us Mahlari	200.00	
2026-04-02	POS Purchase Lucklin Catering & 412752 * 3326 31 Mar	30.00	
2026-04-02	POS Purchase Shoprite Dlamini 412752 * 3326 31 Mar	35.98	
2026-04-04	Byc Debit 63161952453	8.76	
2026-04-07	POS Purchase Shoprite Dlamini 412752 * 3326 05 Apr	79.98	
2026-04-08	FNB App Transfer From Me		21.00
2026-04-09	POS Purchase Shoprite Dlamini 412752 * 3326 07 Apr	56.37	