



Kumon North Hobart Progress Report Automation System

Automating Montly student progress report delivery



UNIVERSITY of TASMANIA

1. PROJECT OVERVIEW



- Automates monthly report delivery
- Reduces manual administrative work
- Supports secure communication
- Provides tracking and audit logo

2. KEY IMPACT



FASTER PROCESSING

Reduces monthly report handling time.



REDUCED MANUAL ERRORS

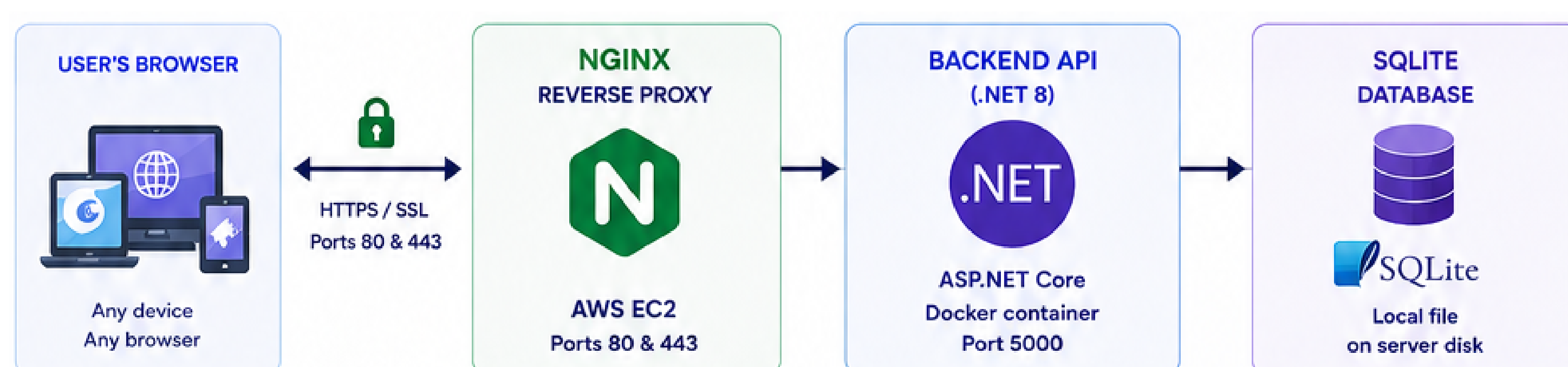
Minimises matching and emailing mistakes.



AUDIT TRACKING

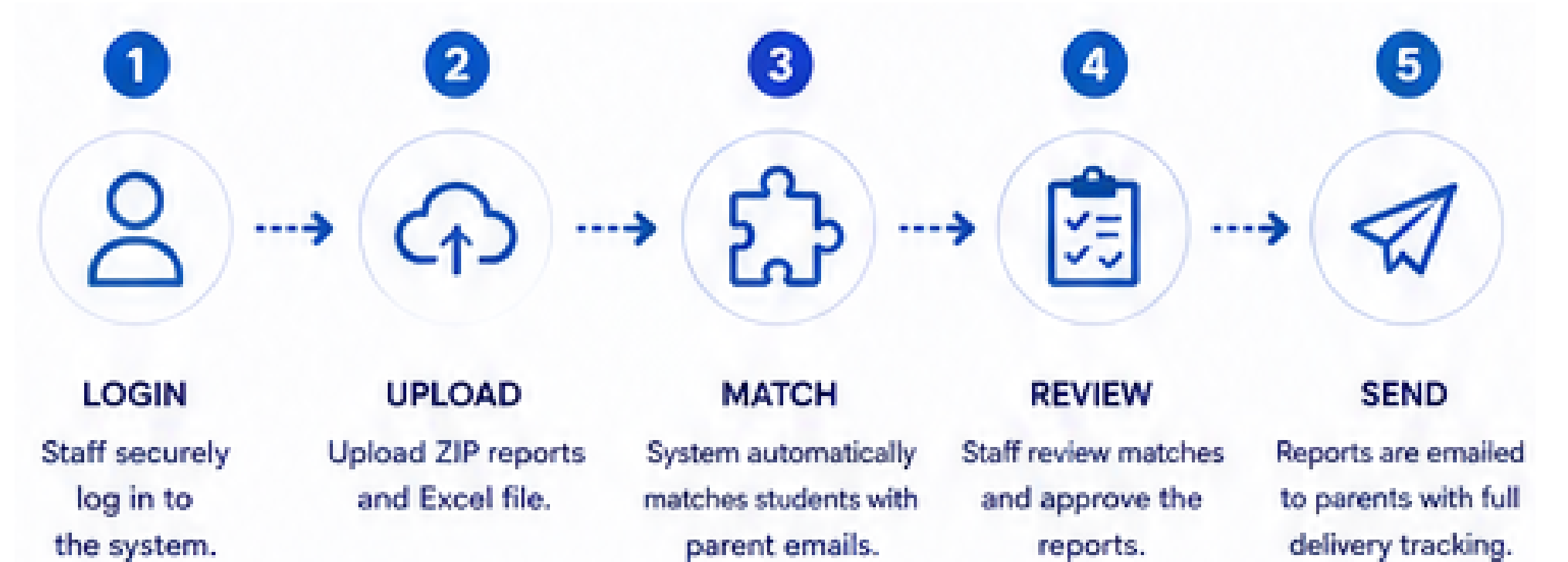
Tracks delivery status and email history.

3. SYSTEM ARCHITECTURE

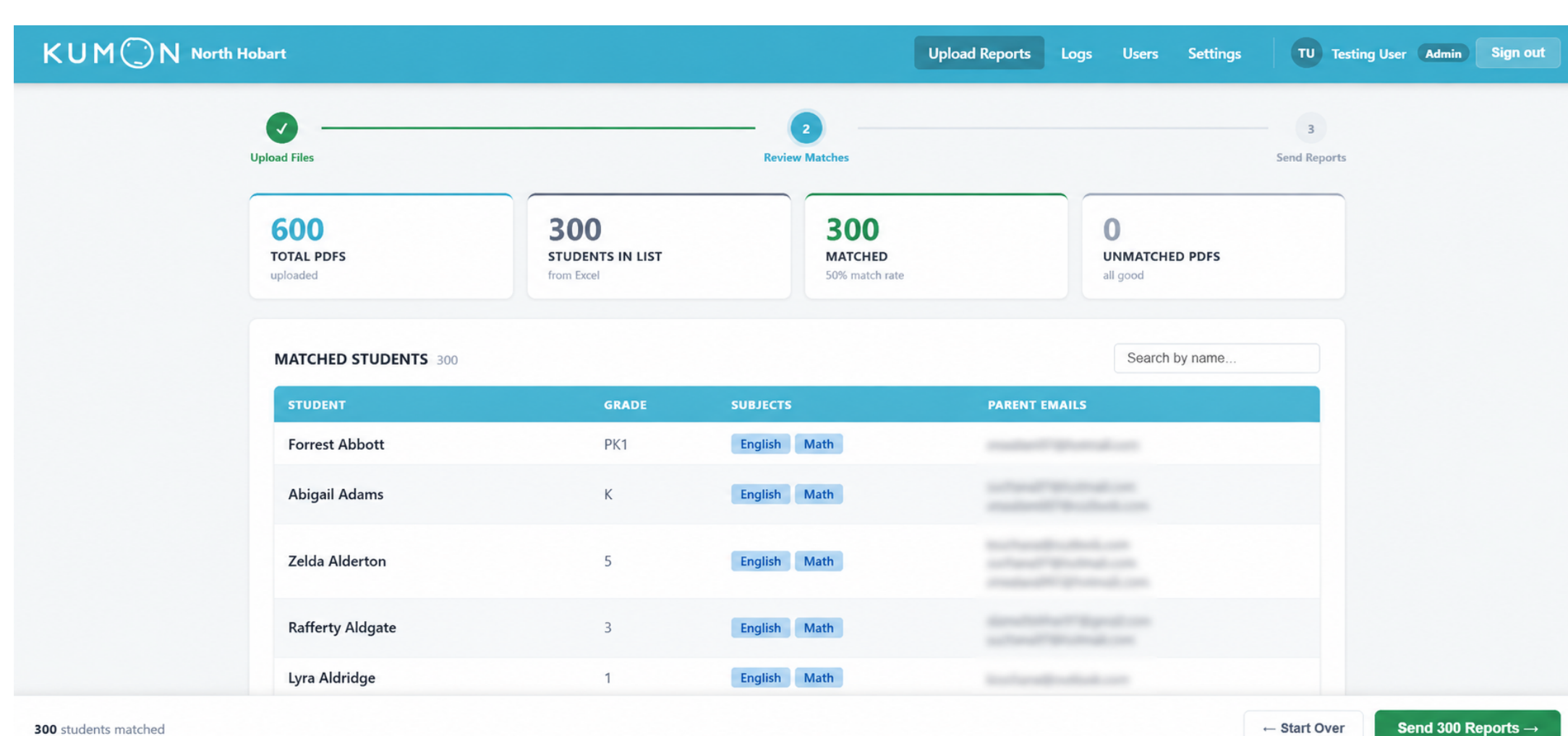


Request flow from browser through nginx to the .NET backend and SQLite database on AWS EC2.

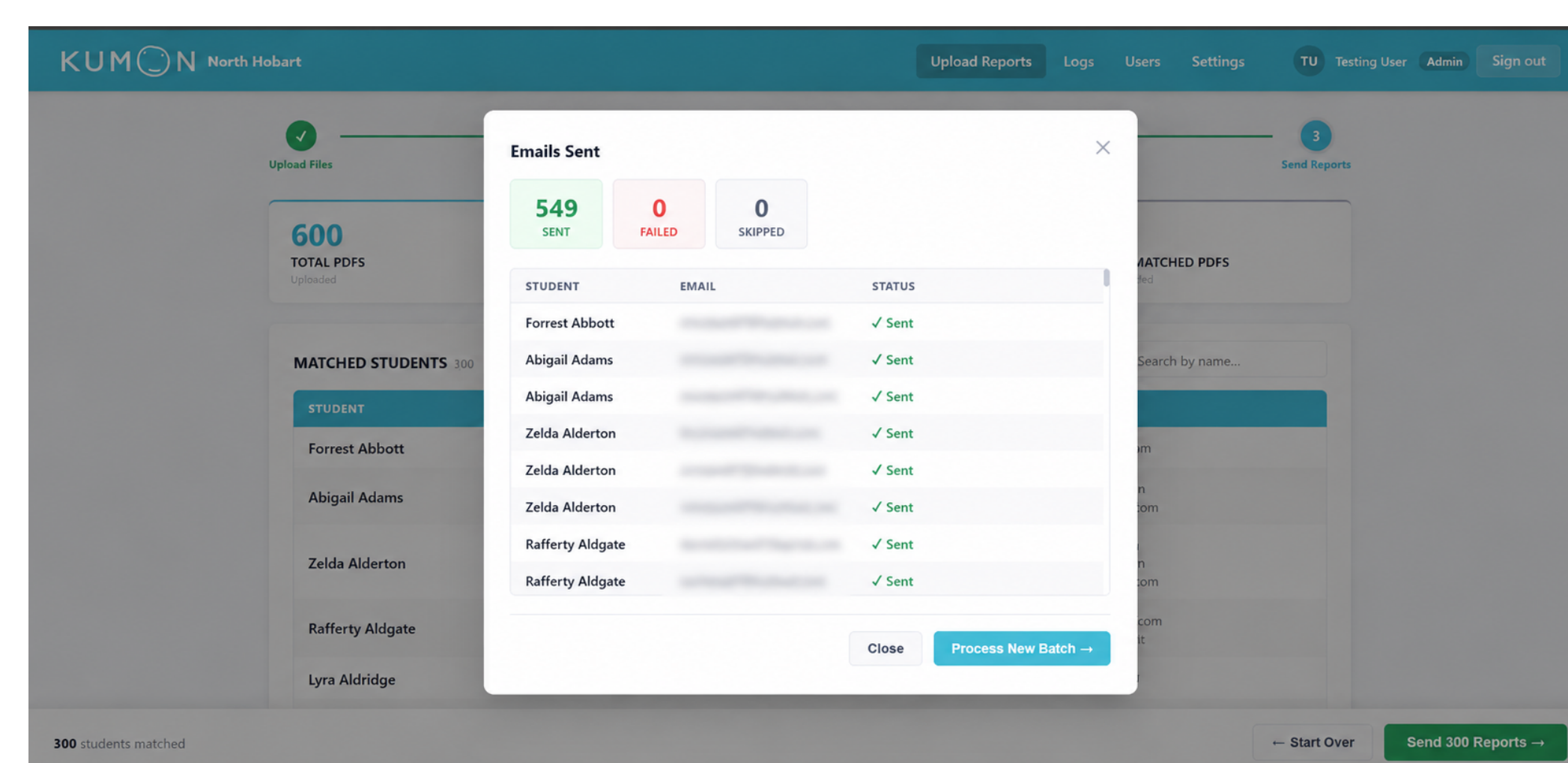
4. HOW THE SYSTEM WORKS



5. LIVE SYSTEM INTERFAC



Kumon North Hobart review dashboard



Web app progress report dashboard

6. TECHNOLOGY STACK

Layer	Technology
Frontend	React + Vite
Backend	ASP.NET Core
Database	SQLite
Email	MailKit SMTP
Hosting	AWS EC2

7. SECURITY & PERFORMANCE



ROLE-BASED ACCESS

Granular access control (Admin / Staff).



RATE LIMITING

Prevents abuse and ensures stability.



SECURE HTTPS COMMUNICATION

All data is encrypted in transit.



AUTOMATED BACKUPS

Regular backups and monitored storage.



UPLOAD & ACTIVITY LOGGING

All actions are logged for audit and compliance.



PERFORMANCE OPTIMISED

Efficient caching and async email delivery.

8. PROJECT TEAM



9. REFERENCE

- React Documentation
- ASP.NET Core Documentation
- MailKit Documentation
- AWS EC2 Documentation
- SQLite Documentation

