

## Skills and Tools Required

Skill/Tool	Use in the Project	Proficient Team Members	Where to Learn?
Flask	Backend frameworks for developing the web-app	4/6	Online website tutorials and <a href="#">official documentation</a>
HTML, CSS	Frontend development of web pages	5/6	Online resources ( <a href="#">w3schools</a> , Stack Overflow, etc)
Javascript	Adding interactivity to web pages	4/6	Online resources ( <a href="#">w3schools</a> , Stack Overflow, etc)
Database Management (SQL)	Handling and managing internal Calista databases	2/6	Online resources, <a href="#">w3schools</a> , UWA IT for Calista support
Barcode Scanning Integration	Linking studentID to barcodes on student cards	0/6	Online resources, Will need to look into what python package deals with barcodes (possibly <a href="#">dbr</a> )
Server-Hosting	Deployment and maintenance of the webapp	2/6	UWA IT will provide assistance. <a href="#">Docker container documentation</a> , <a href="#">VPS resources</a>
AES Encryption	Ensuring secure data exchange between the web app and database	0/6	<a href="#">Online security resources</a> , UWA IT security team support

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Data Synchronisation	Handling data synchronisation between local and remote sources	0/6	<a href="#">Online resources</a>
CSV Handling	Exporting data in CSV format	2/6	Online tutorials, <a href="#">python CSV module documentation</a>
User Authentication	Managing access and permission	4/6	Online courses, <a href="#">Flask security extensions documentation</a>
CRC Checks	Implementing CRC checks for data integrity	0/6	<a href="#">Online resources</a> , UWA IT security team support
Software Documentation	Creating an operation manual and video tutorials	5/6	Online resources on technical writing and video editing, <a href="#">LaTeX tutorials</a>
Project Management	Planning, executing and closing the project	3/6	Online courses, <a href="#">Git tutorials</a>

This audit helps us identify the key areas where we need to focus our learning efforts and acquire additional resources. By addressing these gaps proactively, we can ensure a smoother and more efficient project execution.