Skills and Resources Audit

Group 27

2024-08-05

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 official documentation
HTML, CSS	Frontend development of web pages	5/6	Online resources (w3schools, Stack Overflow, etc)
Javascript	Adding interactivity to web pages	4/6	Online resources (w3schools, Stack Overflow, etc)
Database Management (SQL)	Handling and managing internal Calista databases	2/6	Online resources, w3schools, 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 dbr)
Server-Hosting	Deployment and maintenance of the webapp	2/6	UWA IT will provide assistance. Docker container documentation, VPS resources
AES Encryption	Ensuring secure data exchange between the web app and database	0/6	Online security resources, UWA IT security team support
Data Synchronisation	Handling data synchronisation between local and remote sources	0/6	Online resources
CSV Handling	Exporting data in CSV format	2/6	Online tutorials, python CSV module documentation
User Authentication	Managing access and permission	4/6	Online courses, Flask security extensions documentation
CRC Checks	Implementing CRC checks for data integrity	0/6	Online resources, UWA IT security team support

Skill/Tool	Use in the Project	Proficient Team Members	Where to Learn?
Software Documentation	Creating an operation manual and video tutorials	5/6	Online resources on technical writing and video editing, LaTex tutorials
Project Management	Planning, executing and closing the project	3/6	Online courses, Git tutorials

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.