Ibrahim Kamara

NEA Survey Response

The student

Name	Ibrahim Kamara
School Email	kamai117.209@student.foresthillschool.co.uk
Programming Level	4 / 10

Student's project

Description	I am making a timetable for teacher and students to use to organise their lessons and revision.
List of languages	Python
List of technologies	PYQT
Experience using languages/technologies	Python - 5 years
Client	
Client's identity	Mr Kai-Samba
Client fictional?	Yes

Student's Progress

Current section	Analysis
List of completed sections	Analysis
Current page count	5 pages - Analysis
Progress by section	
Analysis	25% < x ≤ 50%

Design	Not started (0%)
Technical Implementation	Not started (0%)
Testing	Not started (0%)
Evaluation	Not started (0%)

Other

Implementation concerns	
Anything else? (Misc)	HELP

Louis' Comments

General Comments	Ibrahim's page count isn't abysmal given his progress, though his progress is concerning. I'm concerned that creating a timetabling program could be more complex than Ibrahim expects it to be. Firstly, creating the GUI using PyQt will likely be difficult and not be eligible for many marks. Secondly, this project sounds suspiciously like it might involve scheduling, which means it has the potential to be *very* complex.
Next steps	The first step needs to be clarifying exactly what Ibrahim is planning to build, and ensuring that this goal is reasonable given the time constraints. Then, because of the limited time for him to complete the project, a clear plan, including interim deadlines, should be established.
Complexity	If completed, this project could reach the top complexity band but is likely to be in the middle band. Especially when considering the progress - or lack thereof - so far.

See the next page for detailed complexity band information.

			Ibrahim Kamara
BOTTOM MARK BAND	**Algorithms**	Simple mathematical calculations	Must Have
		Linear search	Must Have
	Databases	Non-SQL table access	Could Have
		Simple data structures	Must Have
MIDDLE MARK BAND	**Algorithms**	Simple scientific/mathematical /robotics/control/business model	Not Used
		Bubble Sort	Could Have
		Binary search	Could Have
		Simple user defined algorithms	Not Used
	Databases	Single table database	Could Have
		Simple data model in database	Should Have
		Writing and reading from files	Should Have
	File Access	Text files	Should Have
		File(s) organised for sequential access	Could Have
	Web *Stuff*	Calling Web service APIs	Not Used
		Simple client-server model	Not Sure
	Data Structures	Multi-dimensional arrays	Should Have
		Dictionaries	Could Have
		Records	Should Have
		Simple OOP model	Could Have
TOP MARK BAND	**Algorithms**	Complex scientific/mathematical/robotics/control/business model	Not Used
		Hashing	Not Sure
		Merge sort	Not Sure
		Advanced matrix operations	Not Used
		Recursive algorithms	Not Sure
		Graph/Tree Traversal	Not Sure
		Complex user defined algorithms	Not Used
	Databases	Complex data model in database	Should Have
	File Access	Files(s) organised for direct access	Could Have
	Web *Stuff*	Server-side scripting using request and response objects	Not Used
		Complex client-server model	Not Sure
	Data Structures	Hash tables	Not Sure
		Lists	Could Have
		Stacks	Should Have
		Queues	Should Have
		Graphs	Not Used
		Trees	Not Used
		Complex OOP model	Could Have
		Linked lists	Could Have