



## Assessment Task

<b>Qualification national code and title</b>	ICT50220 – Diploma Information Technology (Advanced Programming)
<b>Unit/s national code/s and title/s</b>	Advanced Mobile Apps: ICTPRG549 Apply Intermediate Object Orientated Language Skills ICTPRG603 Develop Advanced Mobile Multitouch Applications

### Assessment type (☑):

- ☐ Questioning (Oral/Written)
- ☐ Practical Demonstration
- ☐ 3<sup>rd</sup> Party Report
- ☐ Other – Project/Portfolio (*please specify*)

### Assessment Resources:

Word Processor or other text editing software (Microsoft Word etc)

### Assessment Instructions:

Please answer the following knowledge questions. Read each question carefully and answer in **full** when asked to describe or explain. Submit this document with your answers on blackboard for marking and feedback.

### Assessment Instrument:



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1. Describe what makes a linked list different from an Array and when to appropriately use it.
2. Explain what an interface is in OOP and why you would use it in relation to the OOP principles.
3. Describe what is UX and provide one user interface widget(s) or technique(s) to present complex data in a user-friendly manageable way in a GUI.
4. What is an API and how does it enable a connected and robust mobile application and through what intermediary language?
5. Other than mobile phone devices, give one example of another multitouch device.
6. Describe software development methodology practices, benefits and how it is implemented in industry.