**Software Development**

**Glossary - general terminology**

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| --- | --- | --- |
| **Word** | **VCAA Glossary?** | **Meaning** |
| Characteristics |  |  |
| convention |  |  |
| data |  |  |
| Design tool – data dictionary |  |  |
| Design tool – mockup |  |  |
| Design tool – object description |  |  |
| Design tool - pseudocode |  |  |
| effectiveness | ✓ |  |
| efficiency | ✓ |  |
| format |  |  |
| information |  |  |
| Input |  |  |
| method |  |  |
| network |  |  |
| output |  |  |
| PSM | ✓ | Problem solving methodologyAnalysis - Design - Development - Evaluation -  |
| User |  |  |
| Validation |  | Existence check – Range check – Type check -  |

**Software Development Unit 3 Outcome 1**

**Glossary**

|  |  |  |
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| **Word** | **KK** | **Meaning** |
| Data structure | 2 | 1D array (single data type, integer index) - Record (varying data types, field index) -  |
| Data type | 1 |  |
| Internal documentation | 9 | Comments – Meaningful names -  |
| module | 5 |  |
| Processing features | 6 | Instruction –Procedure - Method – Function – Control structure -  |
| search | 7 | Linear – Binary -  |
| Structural characteristics | 4 | XML file format -  |
| Test data | 8 |  |
| Trace table | 8 |  |

**Software Development Unit 3 Outcome 2**

**Glossary**

|  |  |  |
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| **Word** | **KK** | **Meaning** |
| Acquisition of data to determine requirements | 1 | Interview-Survey – Observation -  |
| Application architecture | 16 | Mobile – Rich client – Peer to peer – Internet applications -  |
| Constraints | 3 | Economic – Legal – Technical – Usability -  |
| Context diagram | 9 |  |
| Data flow diagram | 9 |  |
| Design constraints | 11 | Useability – Affordability – Security – Interoperability – Marketability - |
| Functional requirement | 2 |  |
| Goal | 17 |  |
| Information system | 17 |  |
| Legislation | 18 | Data ownership – Privacy of data -  |
| Naming conventions – solution elements | 13 |  |
| Non-functional requirement | 2 |  |
| Objective | 17 |  |
| Organisation | 17 |  |
| Project management - dependencies | 14 |  |
| Project management – Gantt chart | 14 |  |
| Project management - milestones | 14 |  |
| Project management - resources | 14 |  |
| Project management - sequencing | 14 |  |
| Project management – task identification | 14 |  |
| Project management – time allocation | 14 |  |
| scope | 4 |  |
| Security – design – authentication | 15 |  |
| Security – design – data protection | 15 |  |
| SRS | 5 |  |
| Unified modelling language | 8 |  |
| Use case diagram | 8 |  |
| User experience | 12 |  |
| User interface (UI) | 12 |  |

**Software Development Unit 4 Outcome 1**

**Glossary**

|  |  |  |
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| **Word** | **KK** | **Meaning** |
| Data access | 1 | File size – Storage medium – Organisation of files -  |
| Data structures | 2 | Associative arrays – Dictionaries – Hash tables -  |
| File management | 3 | Security – Archiving – Backing up – Disposal -  |
| Processing features | 4 | Instruction –Procedure - Method – Function – Control structure -  |
| Project management progress | 10 | Annotations – Adjustments to tasks/timeframes – Logs -  |
| Project plan – factors influencing effectiveness | 11 |  |
| Sorting (algorithm complexity and time) | 5 | Selection sort – Quick sort -  |

**Software Development Unit 4 Outcome 2**

**Glossary**

|  |  |  |
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| **Word** | **KK** | **Meaning** |
| Conflict - data management | 6 | Data mining -  |
| Data integrity | 48 | Accuracy – Timeliness – Reasonableness – Authenticity – Correctness – Effect of poor integrity on dependant systems -  |
| Interactions generated by information systems | 3 | Inputs, outputs |
| Internet – technical | 9 |  |
| Intranet – technical | 9 |  |
| Legislation | 5 | Privacy Act 1988 – Privacy and Data Protection Act 2014 – Copyright Act 1968 – Spam Act 2003 – Charter of Human Rights and Responsibilities Act 2012 -  |
| Protocols- hardware | 13 | Managing data – Controlling data – Securing data -  |
| Protocols- software | 13 | Managing data – Controlling data – Securing data - |
| Protocols- technical | 13 | Managing data – Controlling data – Securing data - |
| Security – physical | 12 | Data storage – Data communication -  |
| Security – software | 12 | Data storage – Data communication -  |
| Stakeholders | 7 |  |
| Threats to data – accidental | 11 | Types – Causes – Data integrity – Data security -  |
| Threats to data – deliberate | 11 | Types – Causes – Data integrity – Data security - |
| Threats to data – events-based | 11 | Types – Causes – Data integrity – Data security - |
| Tracing transactions between users | 14 |  |
| Virtual private network – technical | 9 |  |
| Wired network | 10 |  |
| Wireless network  | 10 |  |