Object-Oriented Programming and Design

Programming Assessment

Dr M Spann

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| **Report Presentation**  Cover page  Page numbering  Grammar and spelling  Section layout  Figure labelling and clarity  Correct use of references |  | **/5** |
| **Program Design**  Effective use of classes and object interactions  Discussion of object oriented issues related to design  Use Case Model and Design Model, State Charts, interaction diagrams and class diagrams |  | **/30** |
| **Program Implementation**  Code layout including use of comments  Effective use of dll’s  Algorithm efficiency and correctness  Effective use of multithreading and event handling |  | **/20** |
| **Program Functionality**  No, limited, full or extended functionality  Clarity and usability of the graphical animation |  | **/30** |
| **Testing**  Use of systematic approach to sub system and full system testing  Use of suitable output to verify test results such as screen shots |  | **/10** |
| **Conclusions**  Discussion of possible design and implementation improvements and extensions  Discussion of how well the program meets the specification and, if not, why not  Overall summing up of what has been achieved and what has been learnt |  | **/5** |
| **Total Mark** |  | **/100** |