**Software Development Lifecycles (Advocate: Thiago Viana)**

**P1 Describe two iterative and two sequential software lifecycle models.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Developmental-Lifecycles.md> |
| I have described each lifecycle in detail. |

**P2 Explain how risk is managed in the Spiral lifecycle model.**

|  |
| --- |
| <https://github.com/EmperorDan/WIKI/blob/master/Risk-Management-Spiral-Model.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**P3 Explain the purpose of a feasibility report.**

|  |
| --- |
| <https://github.com/EmperorDan/WIKI/blob/master/Feasibility-Report-Importance.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**P4 Describe how technical solutions can be compared.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Describe%20how%20technical%20solutions%20can%20be%20compared.MD> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**Research**

**costs**

**Project aims**

**Supporting docs P6**

**Show how they’ve been addressed ZSL**

**P5 Undertake a software investigation to meet a business need.**

|  |
| --- |
| [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#introduction**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#introduction)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#user-and-software-requirements**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#user-and-software-requirements)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#project-aims**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#project-aims)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#objectives**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#objectives)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#overview**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#overview)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#gantt-chart**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#gantt-chart)  [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#concept-pitch-171017**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#concept-pitch-171017) |
| I have provided links to various parts of my ZSL document which show my software investigation into meeting a business’s needs. |

**P6 Use appropriate software analysis tools/techniques to carry out a software investigation and create supporting documentation.**

|  |
| --- |
| [**https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#tools-and-techniques**](https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#tools-and-techniques) |
| I have explained the tools and techniques used during the ZSL project. |

**P7 Explain how user and software requirements have been addressed.**

|  |
| --- |
| <https://github.com/EmperorDan/ZSL/blob/master/ZSL.md#explain-how-user-and-software-requirements> |
| I have explained epics and user stories provide links to examples |

**M1 Describe, with an example, why a particular lifecycle model is selected for a development environment.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Developmental-Lifecycles.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M2 Discuss the components of a feasibility report.**

|  |
| --- |
| <https://github.com/EmperorDan/WIKI/blob/master/Feasibility-Report-Importance.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M3 Analyse how software requirements can be traced throughout the software lifecycle.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Developmental-Lifecycles.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M4 Discuss two approaches to improving software quality.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Software%20Quality.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M5 Suggest two software behavioural specification methods and illustrate their use with an example.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Developmental-Lifecycles.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**M6 Differentiate between a finite state machine (FSM) and an extended- FSM, providing an application for both.**

|  |
| --- |
| Pending |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D1 Assess the merits of applying the Waterfall lifecycle model to a large software development project.**

|  |
| --- |
| <https://github.com/EmperorDan/Glossary-of-tech-terms/blob/master/Developmental-Lifecycles.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D2 Assess the impact of different feasibility criteria on a software investigation.**

|  |
| --- |
| <https://github.com/EmperorDan/WIKI/blob/master/Feasibility-Report-Importance.md> |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D3 Critically evaluate how the use of the function design paradigm in the software development lifecycle can improve software quality.**

|  |
| --- |
| Pending |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |

**D4 Present justifications of how data driven software can improve the reliability and effectiveness of software.**

|  |
| --- |
| Pending |
| Please provide a short (between 3 to 8 well considered, fully proofread and reflected sentences) explanation that justifies why the evidence/links you have provided is suitable as evidence of this requirement |