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

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

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| **Link:** [**https://github.com/LukeShead/Software-Development-Models**](https://github.com/LukeShead/Software-Development-Models) |
| 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 |

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

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| **Link:** <https://github.com/LukeShead/Software-Development-Models#third-up-is-the-spiral-model> |
| 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 |

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

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| Link: <https://github.com/LukeShead/Feasibility-Reports> |
| 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 |

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

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| Link: <https://github.com/LukeShead/Software-Development-Models#life-cycles-of-software> |
| I believe this justifies the work that I have done as it shows how each cycle is a solution for a problem in how project management should be handled, because of this by comparing individual cycles I have compared different solutions. |

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

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| **Link:** <https://github.com/LukeShead/ZSL-The-Climate-Menace/blob/master/README.md#feedback> Feedback |
| 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 |

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

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| Link: <https://github.com/LukeShead/ZSL-The-Climate-Menace/blob/master/README.md#the-planning> |
| 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 |

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

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| **Link:** <https://github.com/LukeShead/ZSL-The-Climate-Menace/blob/master/README.md#feedback> |
| 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 |

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

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| **Link:** [**https://github.com/LukeShead/Software-Development-Models/blob/master/README.md**](https://github.com/LukeShead/Software-Development-Models/blob/master/README.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 |

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

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| Link: <https://github.com/LukeShead/Feasibility-Reports> |
| 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 |

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

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| **Link:** [**https://github.com/LukeShead/Software-Development-Models/blob/master/README.md**](https://github.com/LukeShead/Software-Development-Models/blob/master/README.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 |

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

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| To be Completed |

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

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| TO DO (you can leave it blank now, we are going to address this in future sessions) |

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

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| TO DO (you can leave it blank now, we are going to address this in future sessions) |

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

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| **Link:** <https://github.com/LukeShead/Software-Development-Models#the-first-is-the-waterfall-cycle> |
| 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 |

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

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| Link: <https://github.com/LukeShead/Feasibility-Reports> |
| 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 |

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

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| TO DO (you can leave it blank now, we are going to address this in future sessions) |

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

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| Please use this section to provide all appropriate, valid and checked http Links that point to your evidence; use multiple lines to separate multiple links |
| TO DO (you can leave it blank now, we are going to address this in future sessions) |