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

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#lifecycle-models> |
| In this link it will show the two iterative and two sequential software lifecycle models. |

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#spiral-lifecycle-model> |
| In this link it will show the Spiral lifecycle model and how risk is managed within this lifecycle model. |

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#feasibility-report> |
| In this link it will explain the purpose of the feasibility report and what is within a feasibility report. |

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#how-can-technical-solutions-be-compared> |
| In this link it will show how technical solutions can be compared based on the factors within the link. |

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

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| To be completed |
| 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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| To be completed |
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**Explain how user and software requirements have been addressed.**

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| <https://github.com/kap14275819/Traceball-Project-1#user-stories>  <https://github.com/kap14275819/Card-game-Project-2#user-stories> |
| In the both links it shows the user stories which explain how each of the user and software requirements have been addressed |

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#lifecycle-models> |
| In this link it describes why a particular lifecycle model is selected for a development environment. |

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

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#feasibility-report> |
| In this link it show the components of a feasibility report. |

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

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| To be completed |
| 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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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#cmm> |
| In this link it shows what is CMM and the five maturity levels of CMM. |

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

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| To be completed |
| 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 |

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

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| To be completed |
| 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 merits of applying the Waterfall lifecycle model to a large software development project.**

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| <https://github.com/kap14275819/Lifecycle-Models/blob/master/README.md#waterfall-model> |
| In this link it shows the advantages of applying the waterfall lifecycle model to a large software development project. |

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

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| To be completed |
| 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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| To be completed |
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**Present justifications of how data driven software can improve the reliability and effectiveness of software.**

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| To be completed |
| 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 |