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

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

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| <https://github.com/Oliver-Slape/Software-Development-and-Life-Cycle#-project-lifecycles-> |
| 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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| <https://github.com/Oliver-Slape/Software-Development-and-Life-Cycle/blob/master/README.md#-7> |
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**Explain the purpose of a feasibility report.**

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| <https://github.com/Oliver-Slape/Software-Development-and-Life-Cycle/blob/master/README.md#feasibility-report> |
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**Describe how technical solutions can be compared.**

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| <https://github.com/Oliver-Slape/Software-Development-and-Life-Cycle/blob/master/README.md#technical-solutions-comparison> |
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**Undertake a software investigation to meet a business need.**

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| <https://github.com/RebootGames/ZSL-Eco-Warriors/blob/master/README.md#analysis-of-the-research-meeting-with-client-and-student-survey> |
| ZSL |

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

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| <https://github.com/RebootGames/ZSL-Eco-Warriors/blob/master/README.md#analysis-of-the-research-meeting-with-client-and-student-survey> |
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**Explain how user and software requirements have been addressed.**

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| <https://github.com/Oliver-Slape/Project-002#-user-stories->  <https://github.com/Oliver-Slape/Project-002#-high-level-function-requirements->  <https://github.com/Oliver-Slape/Project-002/blob/master/README.md#flow-chart>  <https://github.com/Oliver-Slape/Project-002/blob/master/README.md#-process-of-implememntation-> |
| The first link shows the user requirements as user stories. The second link shows the software requirements. The third link shows the requirements graphically as an algorithm. The forth link shows how the algorithm was implemented thus meeting the requirements. |

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

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| <https://github.com/Oliver-Slape/Capstone#management-strategy> |
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**Discuss the components of a feasibility report.**

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

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

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

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

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

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

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

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

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