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

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Life%20Cycles.md> |
| This link takes you to my life cycles where I explain the advantages and disadvantages with 4 different life cycles |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Life%20Cycles.md#how-risk-is-managed> |
| This link takes you to where I explain the difficulty of how the risk is managed in the spiral lifecycle model |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Feasibility%20Report.md> |
| This link takes you to my GitHub Where I produced a report on the purpose of a Feasibility report |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Glossary-Of-Tech-Terms/blob/master/README.md#24---how-technical-solutions-can-be-compared> |
| how technical solutions can be compared. |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/ZSL> |
| We had a client from ZSL and they came in for a client meeting to pitch their ideas to us and this is what we came up with. |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/ZSL/blob/master/README.md#vii-tools-and-techniques> |
| This link takes you to the Tools and Techniques we used throughout the ZSL project |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/ZSL#beef-british-wildlife>  <https://github.com/RyanEdwards1/ZSL#vi-adapting-to-feedback> |
| We get a small description with epics that we break down into story’s |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Life%20Cycles.md#example-of-using-the-waterfall-method> |
| This takes you to a link on an example of a development environment using the waterfall method |

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

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Feasibility%20Report.md#different-components-in-a-feasibility-report> |
| This link takes you to my report on the Feasibility report |

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

|  |
| --- |
| 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  N/A Yet to do |
| 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.**

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/CMM.md> |
| This link takes you to my report on CMM where I discuss two approaches to improving software quality |

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

|  |
| --- |
| 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  N/A Yet to do |
| 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.**

|  |
| --- |
| 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  N/A Yet to do |
| 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.**

|  |
| --- |
| 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  <https://github.com/RyanEdwards1/Tasks/blob/master/Life%20Cycles.md#example-of-using-the-waterfall-method> |
| This link takes you to an example of using the waterfall method. |

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

|  |
| --- |
| 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  N/A Yet to do |
| 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.**

|  |
| --- |
| 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  N/A Yet to do |
| 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 |

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

|  |
| --- |
| 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  N/A Yet to do |
| 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 |