|  |  |  |
| --- | --- | --- |
| Logo Here | **My School**  Cambridge TEC (Certificate/Diploma) in IT  **Unit 09 - Product Development** | Student Name:­­­­ **Grade Awarded by:**  **Date Awarded: \_\_\_\_\_\_\_\_\_\_** Grade: PASS/MERIT/DISTINCTION |

##### Unit 09 - Assignment Checklist - DD-MM-2016

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **TASKS & LEVEL** | **ACTIVITIES** | | | | | | | | | | | | | **STUDENT** | **STAFF** |
| **LO1 - Understand the Product Development Life Cycle** | | | | | | | | | | | | | | | |
| P1.1 – Task 01 | Describe the Waterfall Development Methodology and using your own example of a program project, describe the stages in reference. | | | | | | | | | | | | |  |  |
| P1.1 – Task 02 | Describe the Incremental Development Methodology and using your own example of a program project, describe the stages in reference. | | | | | | | | | | | | |  |  |
| P1.1 – Task 03 | Describe the Spiral Development Methodology and using your own example of a program project, describe the stages in reference. | | | | | | | | | | | | |  |  |
| P1.1 – Task 04 | Describe the Agile Development Methodology and using your own example of a program project, describe the stages in reference. | | | | | | | | | | | | |  |  |
| M1.1 – Task 05 | Compare and contrast different product development methodologies in reference to researching, creating, testing and releasing a new software development onto the market. | | | | | | | | | | | | |  |  |
| Development product specifics | | | | Development method | | | Comparative Benefits | | | Comparative Limitations | | |
| Technical needs in comparison to the other 3 methods. | | | | Similarities | | | Differences | | | Why choose this method | | |
| P1.2 - Task 06 | Describe the 6 stages of product development and define wat these entail in line with your chosen software product. | | | | | | | | | | | | |  |  |
| Requirements Analysis Stage | | Design Stage | | Implementation Stage | | Testing Stage | | | Deployment Stage | | | Maintenance Stage |
| D1.1 – Task 07 | Assess the potential impact of constraints upon product development in terms of timing, social, financial, regulation standards. | | | | | | | | | | | | |  |  |
| Time | Financial | | Social | | Regulation | | | Organisational standards | | | Other Standards | |
| D1.2 – Task 08 | Explain how compromise can be a factor in Product Development for your specific product in terms of overcoming constraints. | | | | | | | | | | | | |  |  |
| M1.2 – Task 09 | Using the Constraints, explain how your chosen methodology can be more viable than the other methodologies in taking these into consideration. | | | | | | | | | | | | |  |  |
| **LO2 - Develop a product requirements specification to meet an identified client’s requirements** | | | | | | | | | | | | | | | |
| P2.1 – Task 01 | Produce a requirements analysis specification that describes a product that meets the client requirements as given in the scenario. | | | | | | | | | | | | |  |  |
| P2.2 – Task 02 | Produce a prototype that describes a product that meets the client requirements as given in the scenario. | | | | | | | | | | | | |  |  |
| P2.3 – Task 03 | Produce a product requirements specification that describes a product that meets the client requirements as given in the scenario. | | | | | | | | | | | | |  |  |
| P3.1 – Task 04 | Present 2 given solutions to the Client’s needs that includes hardware, software, functional details non-functional details and a prototype solution (if possible) to a given client. | | | | | | | | | | | | |  |  |
| P3.2 - Task 05 | Create a feedback document from the client that includes an area for responses on minor modifications and error corrections, choice of best features and functionality, client suggested extended features and suggested extended features and expected completion dates. | | | | | | | | | | | | |  |  |
| P3.2 – Task 06 | Gather comprehensive feedback from the client on the 2 proposals. | | | | | | | | | | | | |  |  |
| P3.3 – Task 07 | Create an evaluation of the feedback including an annotated outline solution document and product requirements specification document from the client that outlines the suggested changes to the proposal. | | | | | | | | | | | | |  |  |
| P3.3 - Task 08 | Revise your written proposal that takes into account the suggested changes by the client based on the final design solution. | | | | | | | | | | | | |  |  |
| M2.1 - Task 09 | Describe and evaluate the extended or enhanced features and functionality, including any follow up actions the client suggested in Task 05. | | | | | | | | | | | | |  |  |
| M2.2 - Task 10 | Add to your written Design Solution proposal, the extended or enhanced features and functionality, including any follow up actions and additional deadline dates agreed with the client. | | | | | | | | | | | | |  |  |
| M2.3 – Task 11 | Clearly identify the evidence pertaining to the extended or enhanced features and functionality. | | | | | | | | | | | | |  |  |
| **LO3 - Be able to implement and test products** | | | | | | | | | | | | | | | |
| P4.1 – Task 01 | Learners must develop a product in line with the agreed design solution, following the implementation plan and keeping an implementation log. | | | | | | | | | | | | |  |  |
| P4.2 – Task 02 | Test the product at 3 different stages using a test table to track your progress. | | | | | | | | | | | | |  |  |
| P4.3 – Task 03 | Complete the product creation so that it is in line with the agreed solution. | | | | | | | | | | | | |  |  |
| P5.1 – Task 04 | Carry out product testing so that it is in line with the agreed client needs, suggested enhancement and final solution. | | | | | | | | | | | | |  |  |
| M3.1 – Task 05 | Analyse the results of testing and recommend improvements and enhancements to the design solution | | | | | | | | | | | | |  |  |
| **LO4 - Be able to carry out acceptance testing with clients** | | | | | | | | | | | | | | | |
| P6.1 – Task 01 | Using the template, create, carry out acceptance testing for users in line with the agreed design solution. | | | | | | | | | | | | |  |  |
| P6.2 – Task 02 | Agree the completed acceptance testing grid with your tutor, make any amendments to the level of testing and explain the purpose and value in each amendment. | | | | | | | | | | | | |  |  |
| D2.1 – Task 03 | Make notes on and explain in a report routine maintenance measures discussed with the client. | | | | | | | | | | | | |  |  |
| D2.2 – Task 04 | Make notes on and explain in a report the enhancements that could be made as the product life cycle progresses, discuss with the client, take notes and explain each discussed possibility. | | | | | | | | | | | | |  |  |
| D2.3 – Task 05 | Make notes on and explain in a report possible product upgrades as the life cycle progresses discussed with the client. | | | | | | | | | | | | |  |  |