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| **Student:** | | **Name of Assessor:** | | | | **Date: January 2020** | |
| **Criteria** | **Below honours level** | | **Below expected** | **Adequate** | **Good, as expected** | | **Very good / Excellent** |
| **Progress**  Progress overcoming critical challenges | No discernible attempts at progressing on any challenges.  No tests or experiments described or attempted, no relevant building done.  No new insights regarding niche/problem/product gained | | Some attempts at progression, but misguided or poorly executed.  Some testing alluded to, but not explicitly described.  Insights gained vague and/or not related to critical elements. | Reasonable attempts at overcoming challenges (regardless of success)  Tests briefly described, specific intent somewhat present  Description of insights gained, and some inclusion of impact on project | Strong attempts at overcoming challenges (regardless of success), clear understanding of critical challenge  Tests described, specific intent present (i.e. parameter to be tested, clear hypothesis)  Description of insights gained and impact on project | | Excellent attempts at overcoming challenges, clear understanding of critical challenge, and of different tests that could have been performed  Tests fully described, specific intent present (i.e. parameter to be tested, clear hypothesis) and used as guidance  Full analysis of insights gained and impact on project |
| **Progress – Strengths and specific items to improve** | | | | | | |
| **Re-assessment/Identification of Bottleneck/Problems**  Assessment of the prototype to be built following testing insights, including next critical element. Re-determination of criticality of elements, and assessment of bottlenecks in the process. | No discernible assessment of the prototyping process, or image of the final product.  No discernible assessment of the build process, or difficulties found during testing  No prioritisation of elements with respect to criticality or difficulty. | | Assessment of prototyping process is minimal, with a poorly defined final product.  Assessment and understanding of the build is poor, or has key oversights. Inclusion of knowledge from testing minimally present.  Prioritisation and criticality assessment of elements is poor, contains key oversights, or has no adjustment based on testing (Priority and criticality can stay the same, but must be affirmed with testing and reasoning if this is the case) | Fair assessment of the prototyping process, and a general idea of the intended final product following testing.  The build process is reasonably assessed, with main challenges identified based somewhat on work performed. Some minor oversights allowed.  Fair prioritisation of elements by either criticality or difficulty, with some adjustment based on testing (Priority and criticality can stay the same, but must be affirmed with testing and reasoning if this is the case) | Good assessment of the prototyping process, and clear idea of the final product based on testing.  Build process is well assessed, main challenges identified following testing and judged for level of difficulty.  Elements are judged for both criticality and difficulty, and prioritised accordingly with adjustment based on testing in key areas (Priority and criticality can stay the same, but must be affirmed with testing and reasoning if this is the case) | | Excellent assessment of the prototyping process, final product is defined according to work done.  Build process thoroughly assessed, with critical areas or key assumptions confirmed with testing. Where necessary, mitigation plans outlined.  Elements are well assessed for both criticality and difficulty, and prioritised using a combination of the two. High priority problems have been somewhat solved. |
| **Re-assessment/Identification of Bottleneck/Problems – Strengths and specific items to improve** | | | | | | |
| **Project Planning  and Organisation**  Quality of plan adjustment based on problems and bottlenecks identified and findings from initial prototyping. Quality of specific build plan, including use of resources (including time available). | No or poor project plan, no timeline, no clear structure to plan.  No assessment of resources required.  Plan does not lay out any specific steps of build. | | Poor project plan, poor understanding/structure to project, basic timeline incomplete with no adjustment based on work done.  Poor assessment of resources required.  Plan has vague steps towards achieving final build | Structured project plan, with some relevant adjustments or affirmations based on work done.  Fair assessment of resources required, some minor oversights. Resources narrowed based on work done.  Good steps to achieving final build, if somewhat optimistic or with minor oversights | Well structured project plan, with reasonable adjustments or affirmations based on work done.  Good assessment of resources and time required.  Clear steps to achieving final build, some parallel work where relevant. | | Detailed project plan, with strong adjustments or affirmations based on work done.  Full assessment of resources required, with error assessment on timescales.  Comprehensive step based build plan in place , with allowance for failure of elements. |
| **Project Planning and Organisation – Strengths and specific items to improve** | | | | | | |