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| Student Name | Gabriel Drozbik |
| Project Title | Quiz website |



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| **Analysis (9 Marks)** |  |
| Essential content:   * Background to the project * Evidence of analysis * Set of Objectives   Desirable Content:   * Current System (if appropriate) * Identification of project owner * Analysis of end users * Modelling of problem, DFD, data dictionary, flow chart, Hierarchy * Research around the area if appropriate.   Supplementary:   * Proposed Details of solution (hardware and software) e.g. SoR * Accepted/agreed constraints * Data volumes * Log and diary of research | Date |
| The background to the project is when I made a simple portfolio site. It used |  |
| the standard HTML, CSS, JS libraries and it ran off GitHub pages (a free way |  |
| to display static sites). In the end, I enjoyed tinkering with it, so I decided |  |
| that my NEA should also be a website, from there, I landed on a quiz |  |
| website. |  |
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| The objective is to create either a website or a web app (using html, css and |  |
| JavaScript using electron so that you can use it as a desktop application). |  |
| The advantage of a web app is that it can be used offline, and it would work |  |
| without the need to host (although a system of downloading quizzes will |  |
| be a lot more complex). With a web app, the idea of having it open source |  |
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| would be possible, and it would let others to create scripts and plugins |  |
| scripts to suit your specific needs (for example revision, or learning |  |
| languages) |  |
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| **Design (12 Marks)** |  |
| Core:   * High-Level Overview * Description of Algorithms * Description of data structures * Database Design (E-R) Table description * Design of User Interface   Desirable:   * Hardware Design/selection if appropriate   Supplementary:   * System security and integrity of data * For an investigation project; a log of stages taken during the investigation and how this affected coding |  |
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| **Technical Solution (42 Marks)** |  |
| * Completeness (how many Objectives achieved) * Techniques Used |  |
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| **Testing (8 Marks)** |  |
| * Table of tests with evidence of completion * Must contain tests during the project e.g. for a module and final confirmation that designed functionality works. * Possible use of youtube or alternative to animate provide evidence of testing. |  |
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| **Evaluation (4 Marks)** |  |
| The evaluation should contain the following sections:   * a reflection on the overall effectiveness as to how their final outcome meets the original problem requirements * an evaluation against each of the objectives set in the analysis section * independent feedback on their final outcome given by the end-user, supervisor or other third party of the project * a discussion reflecting on the feedback received and consideration as to how any changes could be made * a consideration as to how the outcome could be improved if the problem /investigation were to be revisited |  |
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