Quality Assurance

**Code Criteria**

|  |  |  |
| --- | --- | --- |
| **Type of Test** | **Result** | **Pass or Fail** |
| Function Speed Tests   * Must be at most linear time in relation to the number of sub routines |  |  |
| Peer Checking   * Check for "Code Criteria” |  |  |
| Rubber Duck Checking   * Check for “Code Criteria” * Check for bad practices |  |  |
| Code Criteria   * Camel Casing * Commenting * Sub routine length |  |  |

**System Criteria**

|  |  |  |
| --- | --- | --- |
| **Type of Test** | **Result** | **Pass or Fail** |
| Error Severity Test   * Check for number of Errors * Check for how many sub routines/functions said errors effect |  |  |
| Functionality Test   * Check if system meets functionality requirements |  |  |
| Overall Speed Test   * Test speed of overall functions (E.g Signing in, Checking Calendar) * Must be within 5 seconds of the aggregate of all used functions |  |  |
| Error Messages   * Sensible and Helpful |  |  |

Social and Ethical Issues

This project, having been designed for a school which all children have to go to, there will be a fair few social and ethical issues that must be addressed. In terms of content in my project offending people there is very little to do as there are very small amounts of actual words or pictures and most of the words or pictures come from Edumate, a program whose data has already been vetted by a school endorsed company.

Test Data & Expected Output

|  |  |
| --- | --- |
| **Input** | **Output** |
| User 1 Taps on | Logged in Message Displayed |
| User 1 Accesses Calendar | Calendar Displayed |
| Invalid User Taps on | Could Not Log in Message Displayed |
| Admin User Taps on | Admin Screen Displayed |
| Admin User Accesses Troubleshooting page | Troubleshooting list Displayed |
| Admin User Accesses Raw Data page | Raw Data Page Displayed |
| Admin User Accesses Calendar | Calendar Displayed |
| Admin User Exits Application | N/A |
| Admin User Shuts down System | N/A |
| Admin User Closes Admin Page | Login Page Displayed |
| User 2 Taps on | Logged in Message Displayed |