# Identifying the Problem

My HSC Major project was built to solve a very real problem in our schooling system. The state requires that all children under 17 attend a form of education and are able to randomly check attendance records of all education institutions with a large punishment if there is no viable excuse for the absence of any child. This creates a need for reliable, efficient and simple ways of recording the attendance of students and this is where my project comes in. My project is an attendance system, based around a raspberry Pi, that will take attendance via RFID/NFC and is also capable of displaying the calendar of a user via and Edumate API.

# Quality Assurance

**Code Testing**

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| Test Suites |  |  |
| Speed Tests |  |  |
| Peer Checking |  |  |
| Rubber Duck Checking |  |  |
| Code Criteria   * Casing * Commenting * Sub routine length |  |  |

**System Testing**

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| --- | --- | --- |
| Number of Errors |  |  |
| Timing of system functions |  |  |
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