# Mini project – Energy Saving Light

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**Task performance**

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| --- | --- | --- | --- | --- | --- |
| Energy saving | D | C | B | A | A\* |
| Sun syncing | D | C | B | A | A\* |
| Daylight savings adjustment | D | C | B | A | A\* |

**Software management**

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| --- | --- | --- | --- | --- | --- |
| Documentation | D | C | B | A | A\* |
| Use of version control | D | C | B | A | A\* |

**Code**

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| --- | --- | --- | --- | --- | --- |
| Structure (functions, header files, variable scope) | D | C | B | A | A\* |
| Efficiency (variable types, appropriate loops, interrupts) | D | C | B | A | A\* |
| Readability (variable function/variable names, comments) | D | C | B | A | A\* |

\*note the above letters are for indicative feedback only, they have no equivalent numerical mark and do not sum to form an overall grade

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| **Comments:**  Relies on accurately set initial time, sun syncing will fail if incorrect. Daylight savings adjustments are overridden by sun syncing.  Documentation explains implementation. Version control is well used and commits messages are good.  No new functions or headers used so program structure is lacking. Try to break up your main function into smaller functions that do one thing each. Most variables are ints, even days of the week (1-7), ADC interrupt is not used but still implemented. Variable names are clear, comments are helpful. | |
| **Marker initials: HDW/PH** | **Grade: B** |