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Project Repo URL : <https://github.com/colmokeeffe/WT3.0.git>

Website : <https://gilded-relieved-hardcover.glitch.me>

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| **Grade Band** | **Combined Knowledge** | **Networking Technologies** | IoT Solution | **Communication** |
| **Base** | Built from knowledge taken from Computer Systems, Web Development and ICT Skills modules of Year 1 | Raspberry Pi Connected to Thingspeak | Local Raspberry Pi environmental variables of Temperature Humidity and Pressure sent to thingspeak | Template and project flow chart included |
| **Good** | Concepts from multiple modules | Thingspeak connects to IFTTT, Matlab and my Website | Matlab Analysis of all data | Project Git repo |
| **Excellent** | Advanced Computer Systems, Javascript knowlege | IFTTT sends emails depending on the weather conditions either locally using the raspberry Pi or from wherever you retreive from OpenWeather | Additional data from OpenWeather | Public Thingspeak Channel displaying results |
| **Outstanding** | Self-acquired knowledge applied to retrieve data from Openweather through a re-purposed Python script | Website uses API Keys to get data from Thingspeak and OpenWeather. | React to send a ThingHTTP request to IFTTT once Pi is disconnected | WeatherTop site to display all the data, with embedded YouTube and Twitter links |

Table

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