Student Name : Mairead Holton

Project Repo URL : <https://github.com/MaireadHolton/CompSysAssignment2>

Demo video link : <https://youtu.be/V2zoofM0-2E>

Code video link : https://youtu.be/Vx7Ts0siuJE

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| Grade Band | Combined Knowledge | Networking Technologies | IoT Solution | Communication |
| Base | Program stands from both computer systems and programming fundamentals employed in this project |  |  |  |
| Good |  |  | BrewBuddy IoT application to monitor fermentation conditions in the fridge and notify the user when outside optimal ranges. Use of the PiCamera to notify user if the fridge has been opened or interfered with. Use of Blynk to monitor the data and prepare graph to allow data analysis as required. | GitHub repository with readMe, project proposal, project graphic, link to video and all related scripts |
| Excellent |  | Interconnected the RaspberryPi, a Bluetooth speaker and my phone using an app to monitor the conditions in a fridge. SMTP using the application layer (TCP/IP protocol). The Blynk application also uses the transport layer TCP. Lightweight messaging using the SMTP to send emails. Bluetooth connection uses the link layer GAP and GATT. |  |  |
| Outstanding |  |  |  |  |

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Additional Comments:

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