Contribution Scale:

1. **Preliminary/One-off**: worked on early testing or other one-off changes.
2. **Minor**: worked on small changes occasionally for most of the project duration.
3. **Significant**: between Major and Minor contributors. Closer to the Major end?
4. **Major**: main contributor, key contact for changes/assistance.

Code Repository Link: <https://github.com/TrebleStick/MailBot>

Jack (jcp115):

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| **#** | **Contribution** | **Scale** | **Code/Files/Details** |
| 1 | Hardware Latches | Major | Design and persistent testing of the latch powering circuit. Went through 4 iterations two on breadboard and two on perf board. |
| 2 | Software Latch interface. | Major | Arduino firmware for interfacing via serial to the central laptop running ROS and the functions in the ROS not that is used to communicate with the Arduino.  **MailBot/Movement/src/scripts/openAllLatches.py**  **MailBot/hardware/Arduino-latch-code/**  **MailBot/hardware/Arduino-latch-code/lockerOpenerTest.py** |
| 3 | Hardware Building | Significant | Spent significant time in ICRS building the physical locker with Callum. Though he spent more time working on this than me (due to me working on the latches) we were always in the lab together and we spent many days creating and fine tuning the final design. |
| 4 | ROS Navigation | Minor | **MailBot/Movement/src/scripts/rooms.py**  Created simple parsing file to handle the central storage of the rooms and destination info held by the interface and navigation stack for consistency. |
| 5 | Design Report | Significant | Proof read and Final Latex layout & format.  Sections 3 (initial draft of all gathered references), 4 (intro section), 7.1 |
| 6 | Final Report | Significant | Proof read and Final Latex layout & format.  Significant rewriting of pages 6, 7 & 8 for final draft  Sections: 2, 4.1.2, 6.2, parts of section 5 |