

Readme

Instructions to run:

Unzip the file -> click the editor.bat -> click open button -> navigate to cs725 -> open BaggageSystemCTL -> press Play button.

You must press restart -> cold before placing any bags.

Placing more than 20 bags will cause a problem with the GUI system (we did not change this).

Mutual exclusion algorithms:

1. **Central server** – The central server algorithm is implemented for conveyor 2 and 6. The relevant blocks are in HMI -> RES1 -> FCOne -> ConvCentralCtl and in HMI -> RES1 -> FCThree -> ConvCentralCtl.
2. **Ring token** – Ring token algorithm is implemented for conveyor 4 and 7. The relevant blocks are in HMI -> RES1 -> FCTwo -> Conv4Ctl and in HMI -> RES1 -> TCOne -> Conv7Ctl
3. **Multi cast** – Multi cast algorithm is implemented for conveyor 8 and 11. The relevant blocks are in HMI -> RES1 -> FCFour -> Conv11Ctl and in HMI -> RES1 -> TCOne -> Conv8Ctl