

Items Requested	Estimated cost
Raspberry Pi	\$41.99
RFID Tags (5)	\$5.89
RFID Card Reader	\$6.99
breadboard	\$12.86
resistors with varying resistance (50)	\$12.86
pack of breadboard cables (100)	\$12.86
LED lights (10)	\$12.86
Piezo Buzzer (1 or 2)	\$12.86
Raspberry Pi peripherals	\$13.99
Total:	\$67.73

Note: 4 through 9 come in bulk

Reference (link)

<https://amzn.to/2Q1lGwD>

<https://amzn.to/38Hve6r>

<https://amzn.to/2TF3VFv>

<https://amzn.to/2vOBzzJ>

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<https://amzn.to/2vOBzzJ>

<https://amzn.to/3aNsq98>

Price excludes peripherals (becomes \$81.72 with current ones listed)

Remark (justification)

Column1

Column2

Column3

Column4

Used to collect information from RFID reader and to transmit it to a remote database

Used as a form authentication that is unique to every person using AARS. This works as our input

This is what gets the input from the RFID tags. This collects information that will be sent to Raspberry Pi (RP) and the database

This will be used to set the RFID card reader and connect it to the RP. It will also hold other components such as the Piezo buzzer and LED lights

These will be used in order to not burn or damage components due to high voltage.

Breadboard cables will be used to extend components and to connect components with each other. These are essential to our project

LED lights will be used as a visual cue to show the user that the request has been completed (or whether request fails)

Used as a sound cue to indicate a request has been completed (or if it has failed)

To navigate on RP environment. These peripherals can just be the ones we used last time (keyboard and mouse is what I mean by peripherals)

Column5	Column6	Column7	Column8	Column9	Column10	Column11	Column12
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Column13	Column14	Column15	Column16	Column17	Column18	Column19
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