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Recipient Exception Pseudo Code

1. Start
2. Add new recipient
 - a. If recipient line is full, throw exception: "Recipient Queue is full"
 - b. If recipient line is not full, no exception is thrown
3. Remove recipient
 - a. If recipient line is empty, throw exception: "Recipient Queue is empty"
 - b. If recipient line is not empty, no exception is thrown
4. End

Volunteer Exception Pseudo Code

1. Start
2. Add new volunteer
 - a. If volunteer line is full, throw exception: "Volunteer Queue is full"
 - b. If volunteer line is not full, no exception is thrown
3. Remove volunteer
 - a. If volunteer line is empty, throw exception: "Volunteer Queue is empty"
 - b. If volunteer line is not empty, no exception is thrown
4. End

Container Exception Pseudo Code

1. Start
2. Add new container
 - a. If container is full, throw exception: "Volunteer Stack is full"
 - b. If container is not full, no exception is thrown
3. Remove container
 - a. If container is empty, throw exception: "Volunteer Stack is empty"
 - b. If container is not empty, no exception is thrown
4. End

Data Manager

1. Start
2. managerArrayPackage: Add package to container
 - a. Throw container exception if necessary
3. managerArrayVolunteer: Add volunteer to volunteer queue line
 - a. Throw volunteer exception if necessary
4. managerArrayRecipient: Add recipient to recipient queue
 - a. Throw recipient exception if necessary
5. End