*Break into POGIL teams of 3 and assign each team member one of the following roles.*

|  |  |  |
| --- | --- | --- |
| **Student Name** | **Role** | **Responsibility** |
|  | Facilitator | Reads the questions aloud, keeps track of time and makes sure everyone contributes appropriately. |
|  | Spokesperson | Talks to the instructor and other teams. |
|  | Quality Control | Records all answers & questions, and provides team’s reflection to team and instructor. |

The current message protocol uses a single string in the message payload and separates the sender's login ID, IP address and the message contents using colons. Is a single string the best data structure to use if we want to be able to handle multiple messages? What data structure have you previously used that may be a better choice?

Write pseudocode to enhance the message handling capabilities of the DNS widget. In your pseudocode, you may assume the availability of the following commands:

* "Fetch the Current Message List for a User with a Given IP Address"
* "Fetch and Remove Item from Front of List"
* "Add Item to Back of List"

In your portfolio, write the pseudocode to provide this new feature. Ask your instructor to check this over before final submission.