**CS601 GDB Fall 2021**

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**Solution:**

**Protocol Name:**

***Stop-and-Wait Protocol:***

Stop-and-Wait protocol uses both flow and error control. The sender sends one frame at a time and waits for an acknowledgment before sending the next one. Communication in this protocol is unidirectional.

**Advantages:**

* In Stop-and-Wait protocol, data sends frame by frame.
* In Stop-and-Wait protocol, communication channel is noiseless.

**Disadvantage:**

* Stop-and-Wait protocol is inefficient, usually transmission process in this protocol is slow.

**Conclusion:**

I will suggest Stop-and-Wait data link layer protocol, which is most suitable for such company as described in question.