**OS Project 3:**

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| Message | Purpose | Description |
| Client to Server: A | To select a location for weather update | We send only letter A from client to server to minimize data transmission |
| Server to Client: Offers a list of locations with index. | To offer a list of commands to be chosen by client | A message is sent from server to client. |
| Client to Server: Index of the location | To inform server about the location selected | We send only index of location from client to server to minimize data transmission |
| Client to Server: B | To get temperature of the location selected | We send only letter B from client to sever to minimize data transmission |
| Server to Client: Sends temperature of the selected location. “Temperature in Dallas, TX: 49 F” | To indicate the temperature in the location selected by client | A string message is sent from server to client |
| Client to Server: C | To get wind direction and speed at selected location | We send only letter C from client to server to minimize data transmission |
| Server to Client: Sends wind reading of the selected location. “Wind reading in Dallas, TX: North, 15 mph” | To indicate the wind direction and speed at the selected location | A string message is sent from server to client |
| Client to Server: D | To get image of the selected location | We send only letter D from client to server to minimize data transmission |
| Server to Client: Image corresponding to the location is sent. “Image1.jpg saved” | To output the image of the selected location | Output is image of the selected location |
| Client to Server: E | To disconnect from the server | The Server ends connection with the client |

**DESIGN:**

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