Deign Document: `TCP Socket`

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1 Goals

Socket related classes to handle TCP socket send() and recv() quest.

2 Design

This TCP socket is design for both client side and server side. BaseSocket, DataSocket, and ConnectSocket are from client/code/basic/socket. ServerSocket is from server/code/basic/socket.

BaseSocket is base class and handles the socket ID. DataSocket handles all message Data send() and recv(). ConnectSocket tries to connect to an exist socket. ServerSocket sets up a new socket and listen for connection.

The inheritance relationship of BaseSocket, DataSocket, ConnectSocket, ServerSocket is described below.