Chat

Client

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| Class connect |
| Socket Connection\_Socket  Function Connect\_to\_server(address, port)  Function End\_connection() |

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| Class chat |
| Int room\_ID  Bool login  String user\_name  Function Create\_room()  Function Join\_room()  Function Leave\_room() |

Server

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| Class users |
| Int users\_capicty  List users |

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| Class user |
| Int User\_id  String user\_name  Socket user\_socket  Function create\_user(user\_name)  Function send\_message() |

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| Class room |
| Int room\_ID  list members  function join\_user(user\_ID)  function leave\_user(user\_ID)  function close\_room()  function get\_message()  function pass\_message(massege, members) |