# Table: SystemToClients

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| **Schema:** | SystemSchematicBuilder |
| **Responsible:** | Kurt A Vedros |

Table holds all information on the SystemToClients connection, made to distinguish which clients can access which systems.

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| **Column Name** | **Data type** | **Description** |
| SystemToClientID | Int | Primary Key to SystemToClients Table |
| SystemID | Int | Foreign Key to the Systems Table |
| ClientID | Int | Foreign Key to the Clients Table |

**Procedures (Database functions)**

* sprocGetSystemToClients
  + Returns a list of SystemToClient objects that are currently stored in the database.
* sprocGetSystemToClient
  + Returns a SystemToClient object that is currently stored in the database that has the given SystemToClient ID number.
* sproc\_SystemToClientAdd
  + Stores the given SystemToClient object into the database and returns its assigned SystemToClient ID number.
* sproc\_SystemToClientUpdate
  + Changes information of the SystemToClients Table in the database with the given primary key to the given SystemToClient class object.
* sproc\_SystemToClientRemove
  + Removes the SystemToClient from the SystemToClients Table with the given SystemToClient ID number.

**DAL (Software Functions)**

* SystemToClientsGetAll()
  + Returns a list of SystemToClient objects that are currently stored in the database.
* SystemToClientGet(int ID)
  + Returns a SystemToClient object that is currently stored in the database that has the given SystemToClient ID number.
* SystemToClientAdd(SystemToClient SystemToClient)
  + Stores the given SystemToClient object into the database and returns its assigned SystemToClient ID number. Returns -1 if error occurred, otherwise returns null.
* SystemToClientUpdate(SystemToClient SystemToClient)
  + Changes a SystemToClient object that is currently stored in the database with the given SystemToClient’s SystemToClient.ID with the SystemToClient’s information.
* SystemToClientRemove(int ID)
  + Removes the SystemToClient object stored in the database with the given SystemToClient ID number. Returns -1 if error occurred, otherwise returns null.