# Table: Contents

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

Table holds all information on the contents being transported in the part.

I.E. Water, Electricity, gas, etc.

Content – The resource that is being transferred by the system.

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| **Column Name** | **Data type** | **Description** |
| ContentID | Int | Primary Key to Contents Table |
| PartID | Int | Foreign Key to the Parts Table |
| Name | String | Designated resource name being transferred. |

**Procedures (Database functions)**

* sprocGetContents
  + Returns a list of Content objects that are currently stored in the database.
* sprocGetContent
  + Returns a Content object that is currently stored in the database that has the given Content ID number.
* sproc\_ContentAdd
  + Stores the given Content object into the database and returns its assigned Content ID number.
* sproc\_ContentUpdate
  + Changes information of the Contents Table in the database with the given primary key to the given Content class object.
* sproc\_ContentRemove
  + Removes the Content from the Contents Table with the given Content ID number.

**DAL (Software Functions)**

* ContentsGetAll()
  + Returns a list of Content objects that are currently stored in the database.
* ContentGet(int ID)
  + Returns a Content object that is currently stored in the database that has the given Content ID number.
* ContentAdd(Content content)
  + Stores the given Content object into the database and returns its assigned Content ID number. Returns -1 if error occurred, otherwise returns null.
* ContentUpdate(Content content)
  + Changes a Content object that is currently stored in the database with the given Content’s Content.ID with the Content’s information.
* ContentRemove(int ID)
  + Removes the Content object stored in the database with the given Content ID number. Returns -1 if error occurred, otherwise returns null.