# Table: Assessments

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

Table holds all information on the transported content.

(I.E. if water assessment could hold bacteria, chlorination and salt)

Assessment – The individual makeup of the content, its percentage-based value of the overall make up and the safety threshold.

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| **Column Name** | **Data type** | **Description** |
| AssessmentID | Int | Primary key for Assessment record. |
| ContentID | Int | Foreign Key to Content record. |
| Name | String | The name that the assessment is addressing. |
| Value | float | Value of the assessment in the overall part in grams per volume. |
| Threshold | Float | Threshold of the assessment that if the value goes over, the content is treated as contaminated. |

**Procedures (Database functions)**

* sprocGetAssessments
  + Returns a list of Assessment objects that are currently stored in the database.
* sprocGetAssessment
  + Returns an Assessment object that is currently stored in the database that has the given Assessment ID number.
* sproc\_AssessmentAdd
  + Stores the given Assessment object into the database and returns its assigned Assessment ID number.
* sproc\_AssessmentUpdate
  + Changes information of the Assessments Table in the database with the given primary key to the given Assessment class object.
* sproc\_AssessmentRemove
  + Removes the Assessment from the Assessments Table with the given Assessment ID number.

**DAL (Software Functions)**

* AssessmentsGetAll()
  + Returns a list of Assessment objects that are currently stored in the database.
* AssessmentGet(int ID)
  + Returns a Assessment object that is currently stored in the database that has the given Assessment ID number.
* AssessmentAdd(Assessment Assessment)
  + Stores the given Assessment object into the database and returns its assigned Assessment ID number. Returns -1 if error occurred, otherwise returns null.
* AssessmentUpdate(Assessment Assessment)
  + Changes a Assessment object that is currently stored in the database with the given Assessment’s Assessment.ID with the Assessment’s information.
* AssessmentRemove(int ID)
  + Removes the Assessment object stored in the database with the given Assessment ID number. Returns -1 if error occurred, otherwise returns null.