**Case2020s Database documentation**

This document describes the datatypes, relations, indexes, and constraints of the database for Case2020s.

**Column explanations**

|  |  |
| --- | --- |
| **Column** | **Explanation** |
| id | Primary key for the table. This is a surrogate key and it is auto generated. |
| start time | Timestamp that is retrieved from the XML-file test tags which describes at what time the test started. |
| end time | Timestamp that is retrieved from the XML-file test tags which describes at what time the test ended. |
| trigger | String that describes what invoked the test execution. |
| test type | String that describes what type of a test is in question (integration, system, unit test) |
| component name | String describing the name of the part of the software that is tested. |
| total fail | Number describing the number of smaller tests inside the XML-file’s test tag that failed. |
| total pass | Number describing the number of smaller tests inside the XML-file’s test tag that passed. |
| documentation | Some test tags have documentation tags that describe the test. This is nullable since it is not found from all test tags. |
| has passed | Boolean value that shows if the test passed or not. |

**Data types**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column name** | **Datatype** | **Null** | **Constraints** |
| id | int | Not null | PK (auto generated) |
| startTime | timestamp | Not null |  |
| endTime | timestamp | Not null |  |
| testTrigger\* | varchar(50) | Not null |  |
| testType | varchar(50) | Not null |  |
| componentName | varchar(50) | Not null |  |
| totalFail | int | Not null |  |
| totalPass | int | Not null |  |
| documentation | varchar(150) | Nullable |  |
| hasPassed | Boolean | Not null |  |

(\* trigger is a keyword in MariaDB)

**Constraints**

Primary Key id

**Indexes**

Clustered index on column Id

**SQL Statements**

CREATE TABLE outerSuite

(id INT NOT NULL AUTO\_INCREMENT,

startTime TIMESTAMP NOT NULL,

endTime TIMESTAMP NOT NULL,

testtrigger VARCHAR(50) NOT NULL,

testType VARCHAR(50) NOT NULL,

componentName VARCHAR(50) NOT NULL,

totalFail INT NOT NULL,

totalPass INT NOT NULL,

documentation VARCHAR(50),

hasPassed BOOLEAN NOT NULL,

PRIMARY KEY(id));