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));
```