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databaseB

Class DatabaseBController

java.lang.Object

java.lang.Thread

databaseB.DatabaseBController

All Implemented Interfaces:

java.lang.Runnable

```
public class DatabaseBController
extends java.lang.Thread
```

Starts the DB B. Host will use this to grab the list of tables

Author:

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Nested Class Summary

Nested classes/interfaces inherited from class java.lang.Thread

java.lang.Thread.State, java.lang.Thread.UncaughtExceptionHandler

Field Summary

Fields

Modifier and Type	Field and Description
static com.google.gson.Gson	jsonConverter used to convert java objects to JSON format and vice versa.
static TableList	listOfTables Holds the list of tables.

Fields inherited from class java.lang.Thread

MAX_PRIORITY, MIN_PRIORITY, NORM_PRIORITY

Constructor Summary

Constructors

Constructor and Description

DatabaseBController(java.net.Socket listener)

Constructor

Method Summary

All Methods	Static Methods	Instance Methods	Concrete Methods
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Modifier and Type	Method and Description
static boolean	addTable (int tabNum, int maxOccupancy, char type) Adds table to the list of tables
static void	loadTablesFromFile () Load the tables from the text file
static void	main (java.lang.String[] args) Starts base thread for DB B
void	run () Each request will get its own thread.

Methods inherited from class java.lang.Thread

activeCount, checkAccess, countStackFrames, currentThread, destroy, dumpStack, enumerate, getAllStackTraces, getContextClassLoader, getDefaultUncaughtExceptionHandler, getId, getName, getPriority, getStackTrace, getState, getThreadGroup, getUncaughtExceptionHandler, holdsLock, interrupt, interrupted, isAlive, isDaemon, isInterrupted, join, join, join, resume, setContextClassLoader, setDaemon, setDefaultUncaughtExceptionHandler, setName, setPriority, setUncaughtExceptionHandler, sleep, sleep, start, stop, stop, suspend, toString, yield

Methods inherited from class java.lang.Object

equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Field Detail

jsonConverter

```
public static com.google.gson.Gson jsonConverter
```

used to convert java objects to JSON format and vice versa.

listOfTables

```
public static TableList listOfTables
```

Holds the list of tables. See TableList.java

Constructor Detail**DatabaseBController**

```
public DatabaseBController(java.net.Socket listener)
```

Constructor

Parameters:

listener -

Method Detail**addTable**

```
public static boolean addTable(int tabNum,  
                               int maxOccupancy,  
                               char type)
```

Adds table to the list of tables

Parameters:

tabNum - - table number you wish to add

maxOccupancy - - max amount of people that can fit at the table

Returns:

true on success, false on failure

run

```
public void run()
```

Each request will get its own thread. This will be used to send the host the list of tables. Socket hangs up after sending the table list.

Specified by:

run in interface `java.lang.Runnable`

Overrides:

run in class `java.lang.Thread`

main

```
public static void main(java.lang.String[] args)
```

Starts base thread for DB B

Parameters:

args -

loadTablesFromFile

```
public static void loadTablesFromFile()
```

Load the tables from the text file

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