

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [USE](#) [TREE](#) [DEPRECATED](#) [INDEX](#) [HELP](#)[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

dataBaseC

Class DatabaseCController

[java.lang.Object](#)[java.lang.Thread](#)[dataBaseC.DatabaseCController](#)

All Implemented Interfaces:

[java.lang.Runnable](#)

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

Starts the DB C. Chef will use this to continually update the inventory by giving it the name of the dish it started. This will also update the chef when low inventory is met. Waiter will use this when logging on to get the menu.

Author:

cms549

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
<code>static com.google.gson.Gson</code>	jsonConverter Used to convert java objects to JSON format and vice versa.

Fields inherited from class [java.lang.Thread](#)

[MAX_PRIORITY](#), [MIN_PRIORITY](#), [NORM_PRIORITY](#)

Constructor Summary

Constructors

Constructor and Description

DatabaseCController(java.net.Socket listener)

Constructor

Method Summary

All Methods Static Methods Instance Methods Concrete Methods

Modifier and Type	Method and Description
static int	addDishtoMenu (java.lang.String type, java.lang.String dishname, double price) Adds a dish to the menu
boolean	addIngredientToInventory (java.lang.String ingredientName, java.lang.Double amountLeft, java.lang.String unitOfAmount, java.lang.Double threshold) Adds ingredient to inventory returns false if ingredient already exists
static void	generateDishes () Used for Testing.
static void	main (java.lang.String[] args) Starts the Database C base thread.
void	run () Starts a new thread for the DB B controller so it can communicate with one tablet on one 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.

Constructor Detail

DatabaseCController

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

Constructor

Parameters:

`listener` - - socket that this controller will be using

Method Detail

addIngredientToInventory

```
public boolean addIngredientToInventory(java.lang.String ingredientName,  
                                       java.lang.Double amountLeft,  
                                       java.lang.String unitOfAmount,  
                                       java.lang.Double threshold)
```

Adds ingredient to inventory returns false if ingredient already exists

Parameters:

`ingredientName` - - name of ingredient to add to inventory

`amountLeft` - - amount of ingredient you have at the time

`unitOfAmount` - - unit that the amountLeft is measured in

`threshold`- - the amount at which you wish to be notified when inventory is low for this ingredient if you put it a `threshold>=amount left` or `threshold = 0` then this will fail

Returns:

true on success, false on failure

run

```
public void run()
```

Starts a new thread for the DB B controller so it can communicate with one tablet on one thread.
Reads the socket in to determine the request and responds accordingly.

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 the Database C base thread.

Parameters:

args -

addDishtoMenu

```
public static int addDishtoMenu(java.lang.String type,  
                                java.lang.String dishname,  
                                double price)
```

Adds a dish to the menu

Parameters:

type - - type of dish. (Appetizer, Dessert, Entree)

dishname - - name of the dish.

price - - price of the dish.

Returns:

0 on success and -1 on failure/duplicate dish

generateDishes

```
public static void generateDishes()
```

Used for Testing.

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [USE](#) [TREE](#) [DEPRECATED](#) [INDEX](#) [HELP](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)

[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)