Package
serial.monitor

Package
serial.entity

Package
serial.entity.impl

Class: ThreadGroup
SerialMonitor.java

Constructors:

public
SerialMonitor(String);

Fields:

public
EntityStatus<SerialReadEntity> serialReadEntityStatus;
EntityStatus<SerialWriteEntity> serialWriteEntityStatus;
boolean isReadSerialEntityInitialized;
boolean isWriteSerialEntityInitialized;
boolean isMonitoringStarted;
boolean useReturnCarriage;

private
ArrayList<SerialDataListener> listeners;
InputStream readEntityStream;
OutputStream writeEntityStream;
SerialPort monitorPort;
boolean terminate = false;
SerialReadEntity serialReadEntity;
SerialWriteEntity serialWriteEntity;

Functions:

public
void startDataMonitoring(String, int);
boolean isTerminate();
void setTerminate();
InputStream getReadEntityStream();
SerialPort getMonitorPort();
OutputStream getWriteOutputStream();
SerialReadEntity getSerialReadEntity();
SerialWriteEntity getSerialWriteEntity();
void addSerialDataListener(SerialDataListener);
void removeSerialDataListener(SerialDataListener);
void setReadSerialEntityListener(EntityStatus<SerialReadEntity>)
void setWriteSerialEntityListener(EntityStatus<SerialWriteEntity>)
boolean isUsingReturnCarriage();
void setUseReturnCarriage(boolean);
ArrayList<SerialDataListener> getSerialDataListeners();

Abstract Class: Thread
SerialMonitorEntity.java

Constructors:

public
SerialMonitorEntity(SerialMonitor, String);

Functions:

public
SerialMonitor getSerialMonitor();
@Override void run();
protected
Void terminate();
Boolean isUsingReturnCarriage();
Boolean isMonitoringStarted();
Void setMonitoringStarted(boolean);
SerialPort getMonitorPort();
ArrayList<SerialDataListener> getSerialDataListeners();
abstract
Void onDataMonitored(SerialMonitor);
EntityStatus<? extends EntityStatus> getSerialEntityStatusListener();
Boolean isSerialEntityInitialized();
Void setSerialEntityInitialized(boolean);
Closable getEntityStream();

Class: SerialMonitorEntity
SerialReadEntity.java

Constructors:

public
SerialReadEntity(SerialMonitor);

Fields:

private
StringBuffer stringBuffer();

Class: SerialMonitorEntity
SerialWriteEntity.java

Constructors:

public
SerialWriteEntity(SerialMonitor);

Fields:

private
final ArrayList<SerialWriteCapsules> serialWriteCapsules;

Functions:

public
ArrayList<WritableCapsules> getWritableCapsules();
Void addWritableCapsule(WritableCapsules);
Void removeWritableCapsule(WritableCapsules);
private
Void sendToUART(int);

HAS

Class: IllegalStateException
SerialMonitorException.java

Constructors:

public
SerialMonitorException(String);

Fields:

public
static final String msg;

Class: Clonable
WritableCapsule.java

Fields:

private
String data;
Boolean dataWritten;

Functions:

public
Void write(String);
String getData();
Boolean isDataWritten();
Void setDataWritten(boolean);

Interface
SerialDataListener.java

Functions:

public
Void onDataReceived(int);
Void onDataTransmitted(int);
Void onDataReceived(String);

Interface
EntityStatus.java

Functions:

public
<T extends SerialMonitorEntity>
Void onSerialEntityInitialized(T);
Void onSerialEntityTerminated(T);
Void onUpdate(T);