

exceptions

exceptions
class ExitScriptException
...

commands

I Requestable
exec(Request, IOStream, MusicBandStorage)

A Command

String cmdName {get}
String description {get}
Message exec(String, MusicBandStorage, IOstream)

containers

containers
abstract class Message
class Request
class Response
...

J JavaDoc

util

I IDateValidator
boolean isValid(String)

C Coordinates

Double x
Double y

C MusicBand

Integer id
String name
Coordinates coordinates
java.time.LocalDate creationDate {auto}
int numberOfParticipants {>0}
long albumsCount {>0}
java.util.Date? establishmentDate
MusicGenre genre
Label label

C MusicBandStorage

final String name
final LinkedHashSet<MusicBand> storage
LocalDate creationDate
int size
int lastElementId
int nextElementId()
void appendData(Collection<MusicBand>)
void makeIndices()
Array<MusicBand> toArray()
List<MusicBand> toList()
void add(MusicBand)
void clear()
boolean hasElementWithID(int)
int count((MusicBand)->boolean)
void filter((MusicBand)->boolean)
boolean isEmpty()
void deleteWithID(int)
MusicBand getMax()
String getInfo()

E TaskType

NONE
EXIT
GIVE_HELP
LOAD_DATA
CLEAR_COLLECTION
GIVE_HISTORY
EXEC_SCRIPT
SAVE_DATA

C Main

StorageManager storage
LinkedList<String> history
IOStream stdIOStream
MutableMap<String, Command> commands
Stack<File> scriptCallStack
int scriptCallStackLimit
enum TaskType

void loadData(File)
void saveDataToFile(File)
boolean validateCmd(String)
Message executeCmd(String, String, IOStream)
Message giveResponseToCmd(String, Response, IOStream)
addCmdToHistory(String)
boolean callstackHasScript(Stack<File>, File)
void clearStorage()
void setCreationDate(LocalDate)
loop(IOStream)
Message doTask(Request, IOStream)

tasks
Message exitTask(Request, IOStream)
Message clearCollectionTask(Request, IOStream)
Message giveHelpTask(Request, IOStream)
Message saveDataTask(Request, IOStream)
Message execScriptTask(Request, IOStream)

C IOstream

final Writer writer
boolean interactive
final Scanner scanner

void write(String)
void writeln(String)
void writetermsep(String)
<T> T termInput(String, String, ()->T)
<T> T termInputUntil(String, String, String, T->boolean, ()->T)
boolean canRead()
boolean yesAnswer()
String read()
String readBlankOrNull()
String readLine()
Integer readIntOrNull()
Long readLongOrNull()
Double readDoubleOrNull()
Coordinates readCoordinates()
MusicGenre readMusicGenre()
Label readLabel()
Date readDate(String, String)
Date readEstablishmentDate(String, String)
MusicBand readMusicBand()
String readFileName(String)
Pair<String, String> readCmdWithArg()

java.util

C HashSet

java.io

C PrintWriter

C InputStreamReader

com.google.gson

J GsonBuilder

C LocalDateAdapter

C Label

E MusicGenre

PROGRESSIVE_ROCK
RAP
BLUES
PUNK_ROCK