Class ActivityUserGraphPluginHour of package up.visulog.analyzer :

The goal of this plugin is to plot a graph for each user, plus Total (being the total activity of the repository) to represent their number of commits per day for every day from the first commit stored in the log, up to the latest.

Dependencies :

java.util.ArrayList;
java.util.Collection;
java.util.HashMap;
java.util.HashSet;
java.util.LinkedList;
java.util.List;
java.util.Map;
java.util.Set;

up.visulog.config.Configuration;
up.visulog.gitrawdata.Commit;

Attributes :

Type and name	Description
private final Configuration configuration	Configuration entry for the plugin.
private Result result	Instance of the Result local class to store computed results.

Methods :

Signature	Description
static Result processLog(List<Commit> gitLog)	Log parser for the plugin. Maps parsed data towards result attribute, then returns result attribute.
private static String deux_chiffres(int n)	Auxiliary function used to add the zero in front of a single Integer when converted to String.
static Map<Integer, Integer> createEmptyHourTable()	Generates a map whose keys are all the hours of the day (in Integer format), and values are initialized to zero.
static int getHour(String date)	Parses the corresponding hour for the given String date of the log towards an Integer format.
public void run()	Runs the plugin and computes the value of result.

public Result getResult()	Getter method for result attribute.

Subclasses :

- static class Result with following attributes and methods :

Type and name	Description
LinkedList<Map<String, Integer>> AuthorDailyActivityData	Stores the calendar of daily activity for every author.
private Map<Integer, String> IndexToAuthor	Stores the n-th author for given n. Zero is always user Total.
private Map<String, Integer> AuthorToIndex	Stores the number corresponding to every author.

Signature	Description
public String getResultAsString()	Inherited from the AnalyzerPlugin.Result interface. Unused.
public String getResultAsHtmlDiv()	Inherited from the AnalyzerPlugin.Result interface. Returns an HTML div who can directly be read and plot a graph from the result.