ObtainRandomActivities (OBR) Installation Manual

1. Configure the ObtainRandomActivities Software

Please follow these steps to configure and install the ObtainRandomActivities software:

1.1.- Install in your computer the **Java SE Development Kit version 18.0.2.1.**
Please select the version that fits the operating system you have installed on your computer. This software will install the Java programming language and frameworks in your computer to run the Forensic-Ready Logger software.

You can download this software from the following link:
https://www.oracle.com/java/technologies/javase/jdk18-archive-downloads.html

1.2.- Once Java has been installed on your computer, you must install the most recent version of Eclipse **IDE for Java Developers.**
Please select the version that fits the operating system you have installed on your computer. This software will install the Eclipse IDE on your computer to open the Forensic-Ready Logger Java project.

You can download this software from the following link:
https://www.eclipse.org/downloads/packages/release/2024-06/r/eclipse-ide-java-developers

1.3.- After this, download from the **PhD_Thesis GitHub** repository in the **PhD_Thesis Software/Systems** location in the ObtainRandomActivities folder.

1.4.- Copy into the eclipse-workspace directory located in your computer, the ObtainRandomActivities folder.
For example: /Users/f7/eclipse-workspace/ObtainRandomActivities

1.5.- Inside the Eclipse IDE, import the existing Java Project by selecting this option: File>Import>General>Projects from Folder or Archive and select the ObtainRandomActivities folder located in the eclipse-workspace directory.

1.6.- In the Eclipse IDE at the **ObtainRandomActivities** Java project, locate the **src/frl.gui.main folder** and then locate **the RandomLinesFile.java** file.

1.7.- This **RandomLinesFile.java** file file contains the main procedure. To execute it, right-click and select the option: run as Java Application.

1.8.- This **RandomLinesFile.java**program asks as the input a User in the Software System to display the functionalities that such user can perform in the system.

For the **Human Resources Management Software System**, these are the available users:
- Admin_HRM: This is the System Administrator user
- Employee_HRM: This is the Employee user
- Manager_HRM: This is the Manager user

For the **Open Hospital Software System**, these are the available users:
- Admin_G_OH: This is the System Administrator user and this option will the general activities performed by this user
- Admin_S_OH: This is the System Administrator user and this option will the configuration activities performed by this user
- Physician_OH: This is the Doctor user and this option will the general activities performed by this user

1.9.- Once the **RandomLinesFile.java** program has been executed, it will display:
a) The number of random activities that will be displayed (between 1 and 6) and
b) The details of such activities.

For example:

Generating =>: 1 Random Activities in TOTAL
Random Activity Number =>: 13
Id   : 13
Role   : Admin
Module   : Travel Requests>Approves>
Description : Approves an Existing Travel Request
Line 1   : Travel Requests>Approves>,Approves an Existing Travel Request
Line 2   : 13,Admin,Travel Requests>Approves>,Approves an Existing Travel Request