

Assignment 2:

Graphical User Interface for the Traffic Simulator

Due date: April 19, 2022 at 9 AM.

Copy detection

For each of the TP assignments, all the submissions from all the different TP groups will be checked using anti-plagiarism software, by comparing them pairwise and by searching to see if any of the code of any of them is copied from other sources on the Internet¹. Any plagiarism detected will be reported to the *Comité de Actuación ante Copias* which, after interviewing the student or students in question, will decide whether further action is appropriate and if so, will propose one of the following sanctions:

1. A grade of zero for the exam session (convocatoria) to which the assignment belongs.
2. A grade of zero for all the exam sessions (convocatorias) for that year.
3. Opening of disciplinary proceedings (apertura de un expediente académico) with the relevant university authority (Inspección de Servicios).

General instructions

- Read the whole assignment before you start coding.
- Make a copy of your assignment 1 before you make any change for assignment 2.
- Create a new package `simulator.view`, this is where you should place all view classes.
- You have to strictly follow the package structure and class names that we suggest.
- **You are not allowed** to use any tool for automatically generating GUIs.
- We provide you a set of icons to be used, but you can use others if you prefer.
- We provide you with an example of a dialog window (see `extra.dialog`).
- We provide you with an example for a `JTable` and `JSpinner` (see `extra.table`).
- We provide you a class `simulator.view.MapComponent` that should be used for one of the map views (see the corresponding section below).
- We provide you a modified set of examples (changed coordinates of junctions, lengths of roads, etc).
- Submit a **zip** file of the project's directory, including all subdirectories except the bin directory. Other formats (e.g., 7zip, rar, etc.) are not accepted.

¹ If you decide to store your code in a remote repository, e.g. in a free version-control system with a view to facilitating collaboration with your lab partner, make sure your code is not in reach of search engines. If you are asked to provide your code by anyone other than your course lecturer, e.g. an employer of a private academy, you must refuse
