Advanced Programming
Season 2024-III
Workshop No. 1 - Object-Oriented Programming

Eng. Carlos Andrés Sierra, M.Sc.
Computer Engineering
Universidad Distrital Francisco José de Caldas

Welcome to the first workshop of the *Advanced Programming* course.

Hello, you have been hired as a full-stack software developer at an electronics store. We don't know how, but **you did it**.

As part of your *challenging job*, the `CTO` asked you to create a **first demo** to show the first customers the company's potential.

Then, you must perform the following steps:

1. Ask 15 students what things they *would like to see* in a **catalog** to buy an `electronic device`.

2. Based on student responses, create a list of user stories following the following format: *As a <role>, I want <action>, so what <impact>.*

3. The minimum required functionalities are listed below:

   - **Show** a list of `electronic device categories`.
   - **Displays** the list of `available devices by category`.
   - **Add** devices to a `shopping cart`.
   - **Checkout** and add `customer information for delivery`.

4. Based on *user stories*, add any other functionality requested by end users.

5. The application should work via a `command line`. So write your code to work as a **CLI application**.

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6. Write a **report** with the following *sections*: `user stories`, `object-oriented principles analysis`, `CRC cards`, `activity diagrams`, `sequence diagrams`, and `class diagrams`.

Remember that you want to become a *rock star software developer*, so you have to do your best. The report must be in **English**, `PDF format`.

Additionally, you must submit a `URL` to a *GitHub repository* where you will leave both the documentation & the code for all the course workshops. Create a folder for each one. Remember, the repository should have a general `README`, and inside aech folder a `README` with a summary of the workshop development, the contents of the workshop folder, where the `report` and `code` should also be placed.

Deadline: **Saturday, September 14, 2024, 8:00 PM.**