RPA, **Lab01: UiPath Studio. Basic Concepts** 2022-2023/I, week 02/03

Objectives

- **to install and get familiar with the UiPath Studio development framework;**
- **to develop a workflow using basic programming concepts (variables, choices, control flow structures).**

Please perform the A, B and C during laboratory. Task D is homework.

Task	Description
[individual] **A. Install UiPath Studio**	Please install on your laptop the **UiPath Studio Academic Alliance Edition (AAE)**. This is the framework that will be used throughout the lab activities. By using AAE, students are entitled to use UiPath Enterprise under license, for 1 (one) calendaristic year. **Steps:** • Fill out the form available at https://www.uipath.com/landing/academic-studio-download. The use *scs.ubbcluj.ro* or *stud.ubbcluj.ro* e-mail address is optional (you can use other e-mail address). • Check the Inbox (Spam folder included, if needed) for an UiPath e-mail and install **UiPath Studio AAE** following carefully the guide included in the received e-mail; • If you have installed ***Community Edition*** previously, please uninstall it first before installing **UiPath Studio AAE**.
[individual] **B. Join UiPath Academy** **[optional]**	Please create an account on the e-learning platform hosted by UiPath available at https://www.uipath.com/rpa/academy. This is a free e-learning platform. • Enroll in the **RPA Developer Foundation** learning plan. Recommended readings will be from this learning plan. You may enroll in as many training courses as you want. • **Task C** and **Task D** focuses on the basics (variables, choices, control flow structures) discussed in **Lecture 02**.
[individual/team] **C. Basic workflow** **[in class]**	Provide a sequence-based workflow solution for the problem discussed during **Lecture 02**. *Create a process that performs the following actions:* *1. generate an integer number from 1 to 7;* *2. read a number to guess the generated number;* *3. compare the generated value* *3.1. print the message "Enter a smaller number!" or* *3.2. print the message "Enter a bigger number!";* *4. repeat steps 2 and 3 until you succeed to find the number;* *5. show the message "Well done!!!".*
[individual/team] **D. Basic workflow** **[due: Lab02]**	Create an empty project in UiPath Studio and develop a workflow that uses basic concepts discussed in **Lecture 02** and **Lecture04**, considering at least the followings: • min. 1 sequences and 1 flowchart; • min. 3 types of variables; • min. 2 type of choices; • min. 2 types of control flow; • min. 2 different collection types (**Lecture 04**). The workflow will correspond to a process that performs a group of steps to achieve a meaningful goal, e.g., solve a (math) problem, a game implementation.

Recommended readings:

- from the **RPA Developer Foundation** learning plan, skim the followings lessons:
  - **Meet the UiPath Platform** (40m)
  - **Build Your First Process with Studio** (1h20m)
  - **A Day in the Life of an RPA Developer** (30m)
  - **Variables and Arguments in Studio** (1h30m)
  - **Control Flow in Studio** (2h)