

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	Steps: <ul style="list-style-type: none"> • Please create an account on https://www.uipath.com/rpa/academic-alliance/academic-studio-download. You can use any e-mail address you want (@stud.ubbcluj.ro or a personal e-mail address). • Follow the steps described in UiPath Academic Alliance Edition install.
[individual] B. Navigate over UiPath Academy [optional]	<p>From the landing page of your UiPath account, access the (?) button from the right hand side --> section Resources --> option Training & tutorials --> option UiPath Academy. Navigate over your Academy account and get familiar with this free e-learning platform. Suggestions:</p> <ul style="list-style-type: none"> • 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 01 and Lecture 03.
[individual/team] C. Basic workflow [in class]	<p>Provide a sequence-based workflow solution for the problem discussed during Lecture 01. <i>Create a process that performs the following actions:</i></p> <ol style="list-style-type: none"> 1. generate an integer number nr from 1 to 7; 2. read a number g in order to guess the generated number; 3. if g is greater than nr then print the message "Enter a smaller number!" else print the message "Enter a bigger number!"; 4. repeat step 3 until you succeed to find the number; 5. show the message "Well done!!!".
[individual/team] D. Basic workflow [due: Lab02]	<p>Create an empty project in UiPath Studio and develop a workflow that uses basic concepts discussed in Lecture 01 and Lecture03, considering at least the followings:</p> <ul style="list-style-type: none"> • 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 03). <p>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.</p>

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)