

Objectives

- design processes organized in several workflows;
- develop medium size workflows using various collection types (array, lists, dictionaries, data tables);
- use of I/O-based activities for .csv and .txt files.

Task	Description
<p>[individual/team]</p> <p>Multiple workflows</p> <p>[due: Lab03]</p>	<p>Create a workflow in UiPath Studio. Make use of the following concepts discussed in Lecture 04 and Lecture05, considering at least the followings:</p> <ol style="list-style-type: none"> 1. min. 2 related workflows that are <i>invoked</i> (used) by the main workflow; 2. use different argument <i>data types</i> and <i>directions</i> (in, out, in/out); 3. read and write from a .csv or .txt file (or another file type); recommended activities to be used: Read Text File, Write Text File, Write Line, Append Line, Read CSV, Write CSV. <p>The workflow will correspond to a process that performs a list of steps to achieve a meaningful goal, e.g., solve a (math) problem, several rule-based actions that accomplish various related tasks.</p> <p>Notes: In order to achieve the tasks required for this assignment, students can work on the project prepared for Lab01 and improve it. Here are several ways to do that:</p> <ul style="list-style-type: none"> • add new features/capabilities to the process; • allow different ways to input/output data (standard i/o, files); • use different collections than those employed in Lab01; • refactor the initial workflow in several workflows (new workflows will have smaller complexity); • design a new process using the top-down approach allowing you to develop several workflows that call/use each other.

Recommended readings:

- from the **RPA Developer Foundation** learning plan skim the followings lessons:
 - **Variables and Arguments in Studio** (1h30m)
 - **Control Flow in Studio** (2h)
 - **Data Manipulation with Strings in Studio** (1h)
 - **Data Manipulation with Lists and Dictionaries in Studio** (1h20min)