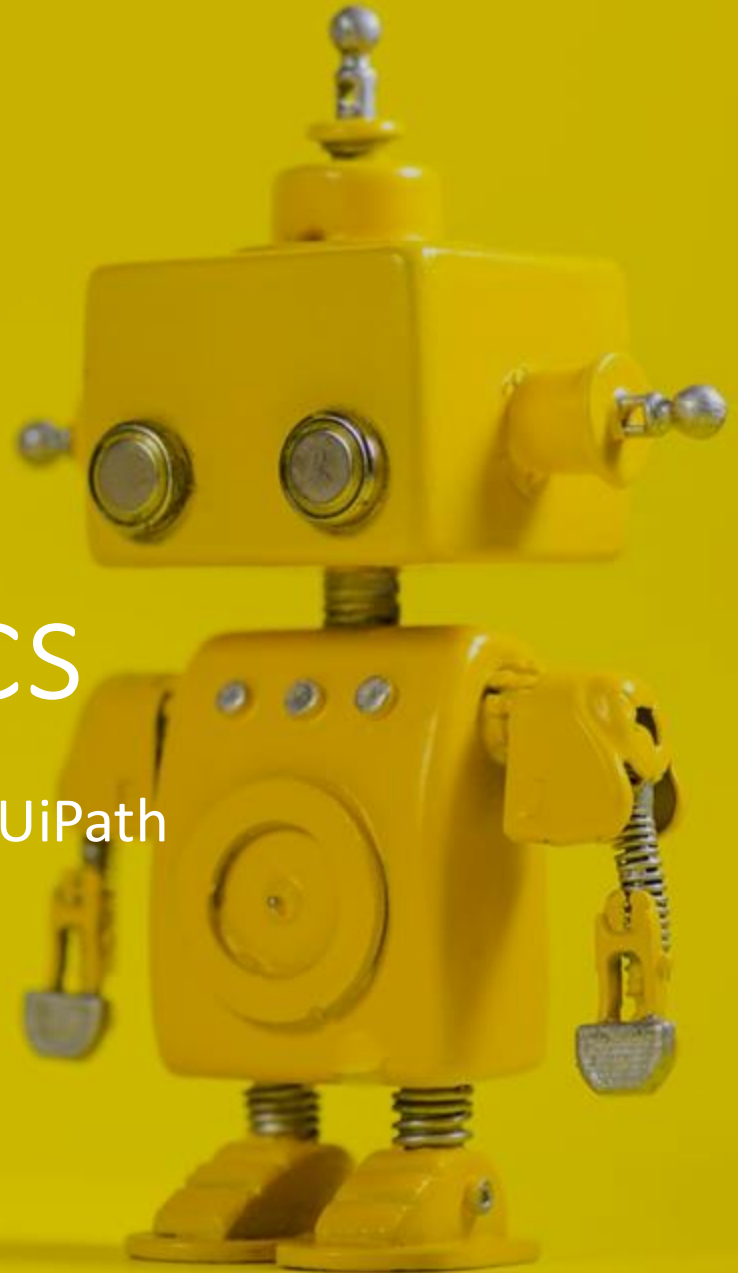


RPA Basics

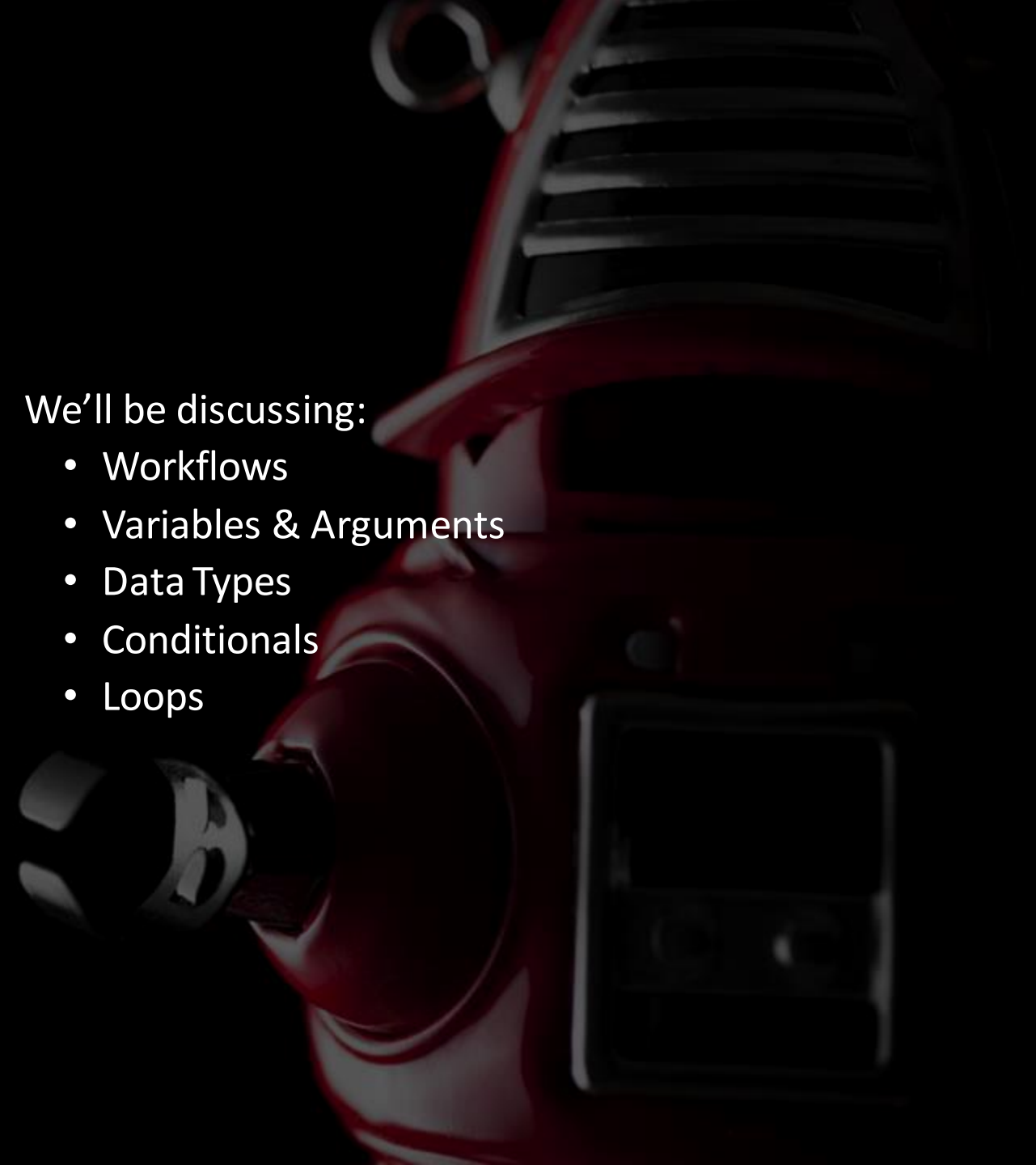
Programming basics with UiPath

[UiPath Academy Module](#)



Outline

- We'll be discussing:
 - Workflows
 - Variables & Arguments
 - Data Types
 - Conditionals
 - Loops





Workflows

[Sequences](#) | [Flowcharts](#) | [State Machines](#) | [Global Exception Handler](#)

- A small piece of automation that you can take and reuse in your projects
- Workflow layouts:
 - Sequences
 - Flowcharts
 - State Machines
 - Global Exception Handler
- For now, we focus on sequences
 - Sequences are primarily used for linear processes with minimal branching logic involved

Variables & Arguments

[Managing Variables](#) | [Types of Variables](#) |
[Managing Arguments](#) | [Using Arguments](#)

- Containers that hold data of a certain data type
- Main Properties:
 - Name
 - Type
 - Default Value
 - Scope
- Arguments are like variables except they pass data between workflows and have the additional property of the direction
 - In, Out, In/Out



Data Types in UiPath

- All data types of VB.NET are legitimate data types in UiPath
- UiPath also has some specific data types unique to it:
 - DataTable
 - represent a type of variable that can store big pieces of information, and act as a database or a simple spreadsheet with rows and columns.
 - GenericValue
 - UiPath proprietary variable type that can store any kind of data, including text, numbers, dates, and arrays



Conditionals

If | Flow Decision | Switch | Flow Switch

- If
 - Comprised of:
 - Condition
 - Then branch
 - Else branch
- Switch

Loops

[Do While](#) | [While](#) | [For Each Activity](#)

- While
- Do while
- For Each



Parallel

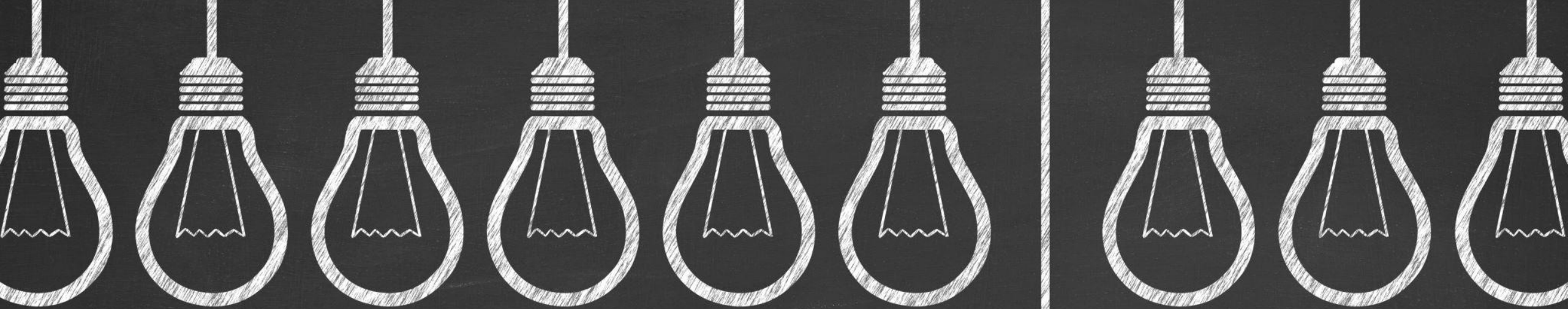
Parallel Activity

- Enables you to execute two or more child activity branches at the same time



Questions?

Comments? Concerns? Violent Reactions?



Discussion Questions

- What are the data types in UiPath that aren't available in VB.NET?
- What is the difference between an argument and a variable?
- What are the different activities available to you in UiPath to showcase conditionals?
- How do you create loops in sequences?