2023-2024

SYLLABUS

CLUCK UNIVERSITY



Cluck University 2023-24 Syllabus *Preview*

Welcome to Cluck University, affectionately known as **Cluck U!** We're excited to offer a range of learning resources for individuals and teams interested in mastering the art of workflow automation.

Our resources include group training sessions, a comprehensive knowledge base with articles and tutorials, and one-on-one training discussions called "**ROC AMA**". Whether you're a beginner or an advanced user, Cluck U has something for everyone.

Rewst 101:
Laying the Foundations of Automation **01**

Rewst 102:
Building a Basic Workflow **02**

Rewst 103:
Jinja Essentials for Workflow automation **03**

Rewst 104:
Option Generators and Generic APIs **04**

Rewst 105:
Optimizing with Sub-Workflows **05**



Rewst 101:

Laying the Foundations of Automation

In this course, we'll cover how to think about automating business processes and where to start. We'll discuss scoping out functionality, getting requirements from stakeholders, and thinking about end states before starting a project. We'll also introduce automation maturity, including identifying areas for automation and assessing feasibility.

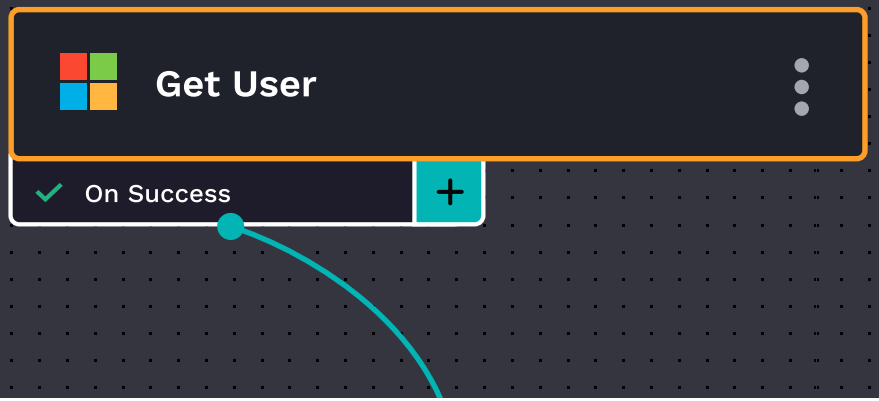
01. WHY AUTOMATE?
- Identify reasoning behind automation
- What automation is and what it isn't

02. IMPORTANCE OF SCOPING
- Understanding end states before starting automation projects
- Identifying processes that can be automated
- Planning automation projects for maximum

03. REQUIREMENTS GATHERING
- Sources for automation project requirements
- Working with internal stakeholders and customers to understand needs
- Prioritizing requirements for automation projects

04. AUTOMATION MATURITY
- Understanding the concept of automation maturity
- Identifying areas of automation for your business
- Assessing the feasibility of automating a specific process

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Rewst 102:

Building a Basic Workflow

This course teaches you how to start building automation in the Rewst automation platform. This training will equip you with the necessary skills to navigate the platform, build a basic form, create a workflow, and trigger it with a form. By the end of the course, you'll be equipped with the skills to get started with automating your business processes.

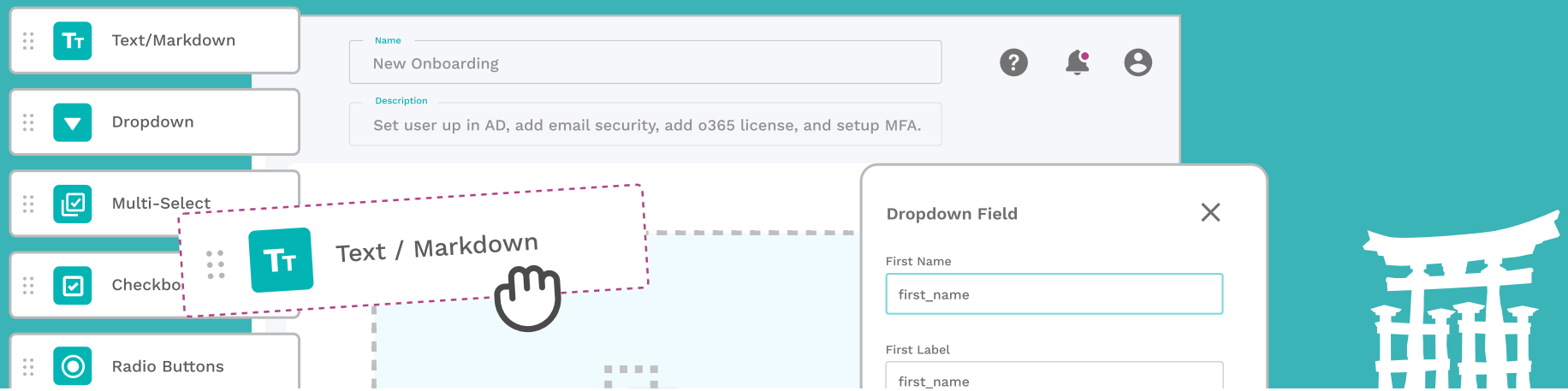
01. REWST OVERVIEW
- Overview the Rewst Platform
- Cover the high level of Integrations, Org Variables, Workflows, Forms, etc

02. BUILD A FORM TO ADD AND REMOVE USERS FROM GROUPS
- Overview of how to build forms
- Build a form to add and remove users from AD

03. CREATE A WORKFLOW TO ADD AND REMOVE USERS FROM AAD
- Build a basic workflow to add or remove users based on form information
- Basic Jinja that can be used in workflows to use context variables

04. BRINGING IT ALL TOGETHER WITH A TRIGGER
- Overview of different triggers as an intro to the Form
- Create a Form trigger to kick-off the workflow

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Rewst 103:

Jinja Essentials for Workflow automation

This course is designed to introduce learners to the fundamentals of Jinja, and how it is used within Rewst. The course will cover basic syntax, variable expressions and filters, control flow statements, comments and whitespace, and using context variables in Jinja. Through hands-on exercises, participants will learn how to use Jinja to process data and automate workflows in Rewst.

01. INTRODUCTION TO JINJA IN REWST

- Why Jinja?
- Introduction to key features in the Jinja Template language

02. INTRODUCTION TO JINJA2 FILTERS

- What are Jinja2 filters and how are they used within Rewst?
- How to access Jinja2 filters using the "|" operator
- Examples of using filters to manipulate data and automate workflows

03. GENERAL FILTERS

- How to use filters like capitalize, lower, and upper to transform text
- Examples of using these filters to manipulate text data and automate workflows

04. ITERATING THROUGH A LIST

- How to use filters to iterate through a list and access specific properties
- Examples of using filters to extract specific values from a list

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Rewst 104:

Option Generators and Generic APIs

This course is designed to your automation skills in the Rewst automation platform to the next level. In this training, you will learn how to upgrade your forms using workflow-generated options, use workflow actions to query data and apply it to other actions, implement generic API request actions, copy tasks effectively, apply list comprehension in Jinja, and troubleshoot workflow results using Jinja Live Editor.

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01. WORKFLOW-GENERATED OPTIONS

- Upgrade forms using workflow-generated options
- Use workflow actions to query data and apply it to other actions
- Implement option generators to send a list of options to a form

02. GENERIC API REQUEST ACTIONS

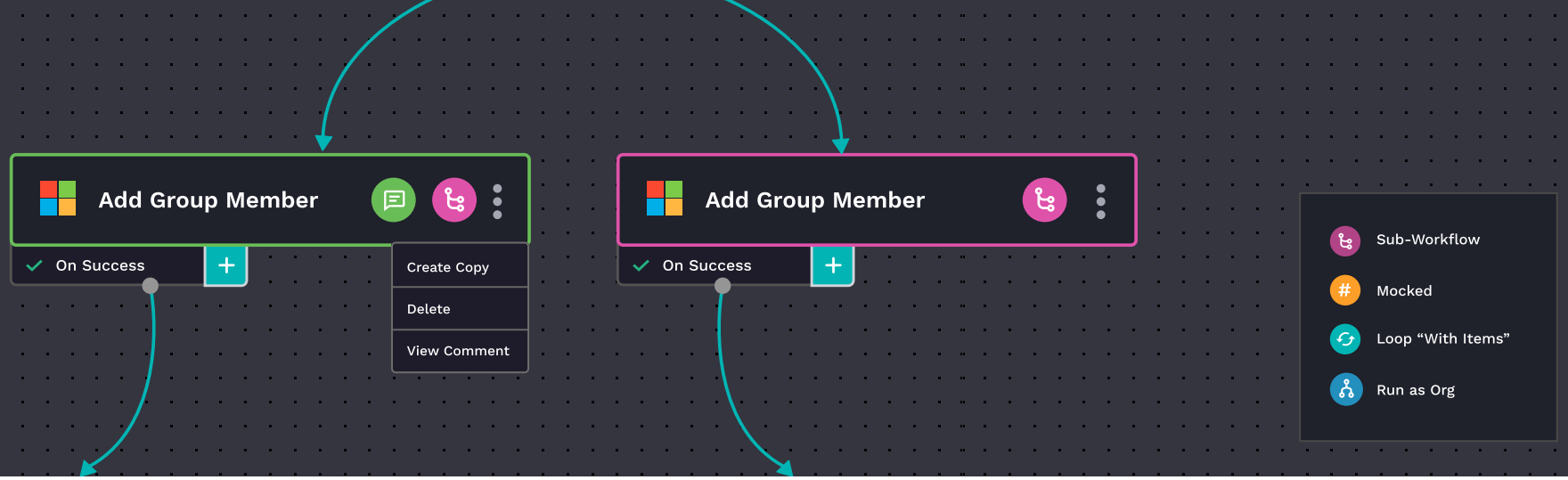
- Use generic API requests to perform actions when a pre-built action doesn't exist
- Implement "Graph API Request" action to access the API endpoint
- Create a new data alias to store the listing of groups and tasks

03. COPY TASKS EFFECTIVEL

- Understand how to list groups a user is a member of
- Implement a method to list all groups
- Subtract "Joined" groups from all groups

04. JINJA AND TROUBLESHOOTING

- Understand the concept of list comprehension in Jinja
- Troubleshoot workflow results using Jinja live editor
- Explain how TASK output is referred to



Rewst 105

Optimizing with Sub-Workflows

This course teaches advanced techniques for optimizing automation workflows on the Rewst Platform. Learners will gain expertise in workflow optimization, scaling, and performance, and learn advanced enhancements such as sub-workflows and running actions on multiple items. By the end of the course, learners will understand how to improve workflow efficiency, leverage workflow-generated options, and make automation more convenient through a real-life example.

01. WORKFLOW OPTIMIZATION

- How to optimize automation workflows to achieve maximum efficiency
- Techniques for scaling and improving the performance of workflows

02. ADVANCED ENHANCEMENTS: SUB-WORKFLOWS

- Techniques for handling different situations in workflows, such as follow-first/follow-all and data modeling
- How to pass information between parent and sub-workflows and reuse existing workflows as sub-workflows

03. RUNNING ACTIONS ON MULTIPLE ITEMS

- Performing actions on multiple items in a list using "With Items" functionality
- Running actions as multiple organizations using "Run as Org"
- Utilizing messaging templates to enhance communication during automation

04. REVIEW OF WORKFLOW-GENERATED OPTIONS

- A review of workflow-generated options and how they can be leveraged to improve automation efficiency
- Updates to the form to allow for the selection of a customer and an open ticket, as well as the ability to select multiple groups at once to improve the convenience of the automation.



rewst.io/cluckuforasking