

Especificação Técnica - RPA_SUP_01

Documento utilizado para definição e desenho do exercício proposto pelo Automation Anywhere para a certificação "Automation Anywhere Advanced RPA Developer – 360"

Histórico de mudanças

| Data | Versão | Mudanças realizadas |
|------------|--------|--|
| 21/01/2025 | 1.0 | Criação da especificação técnica |
| 24/01/2025 | 1.1 | Organização das steps no código Renomeação de variáveis (legibilidade) |
| 02/02/2025 | 1.2 | Verificação de login nas aplicações utilizadas com try-catch Inclusão de envio de e-mails contendo as ordens processadas por execução |

1. Introdução

1.1. Resumo do processo

O RPA realiza consultas dentro de um site contendo todas as ordens de compras associadas a um representante. Após isso, preenche os campos de um formulário com os dados e realiza o envio.

2. Descrição detalhada do processo

2.1. Informações importantes

- É necessário possuir uma conta de usuário no Automation Anywhere University para consumir os sites utilizados.
- Não é possível compartilhar o código com terceiros. O vídeo mostrando o passo a passo está disponível no repositório.

Para criar uma conta gratuita no Automation Anywhere University, acesse o link: [Criar conta](#)

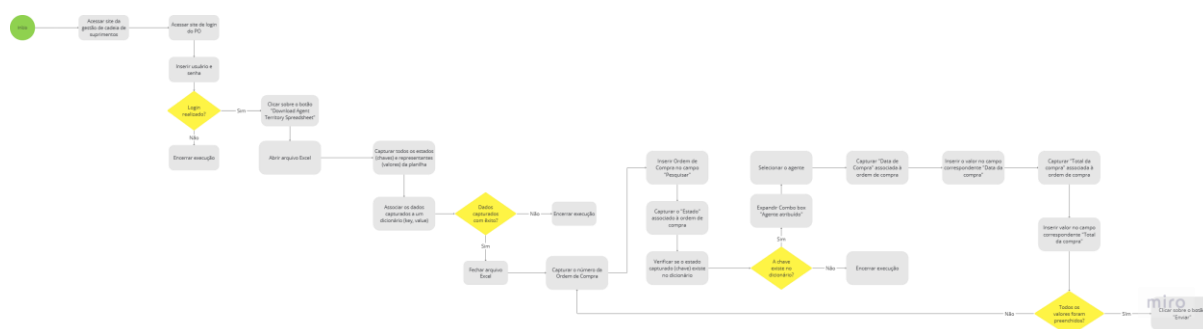
2.2. Ferramentas utilizadas

| Tecnologias | Arquivos / Caminhos | Versão | Tipo |
|---------------|---|--------|---------|
| Excel | StateAssignments.xlsx | | Desktop |
| Google Chrome | Supply Chain Management PO Tracking - Login PO Tracking Lookup | | Web |

2.3. Pré-Condições

1. Acesso ao Automation Anywhere Community necessário para acessar as aplicações web utilizadas.
2. Credenciais (usuário e senha) disponíveis para efetuar login.
3. Excel desktop instalado na máquina.

2.4. Fluxograma

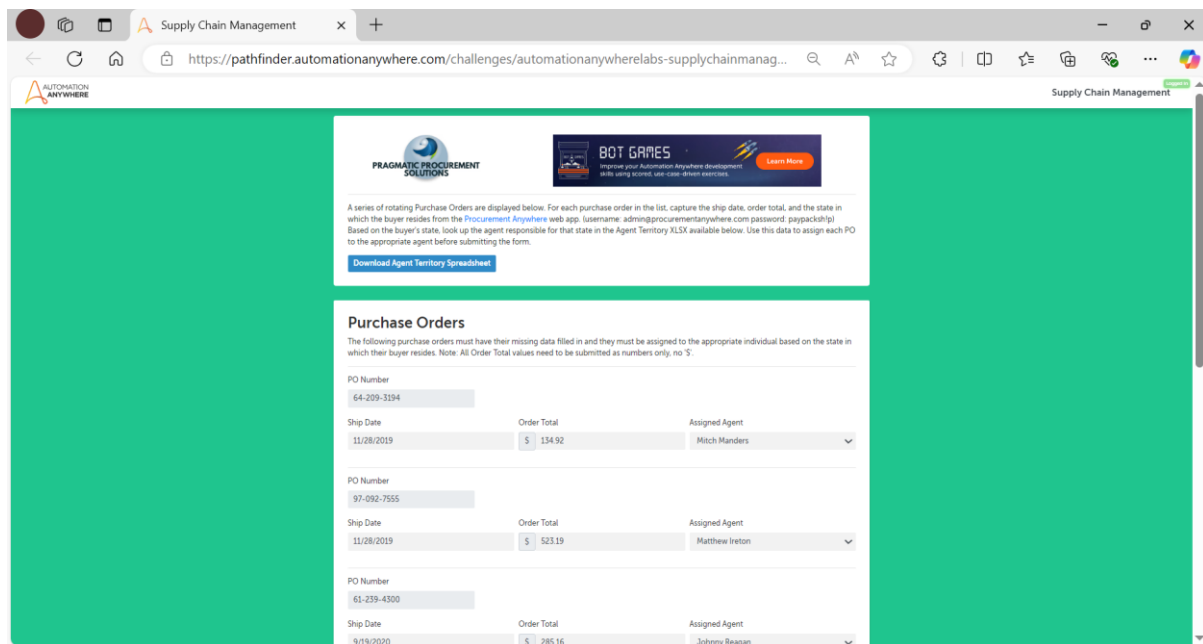


3.0. Passo a passo para execução do processo

3.1. Acessar site Gestão de Suprimentos

Acessar o site principal contendo o formulário a ser preenchido com os dados da Ordem de Compra pesquisada.

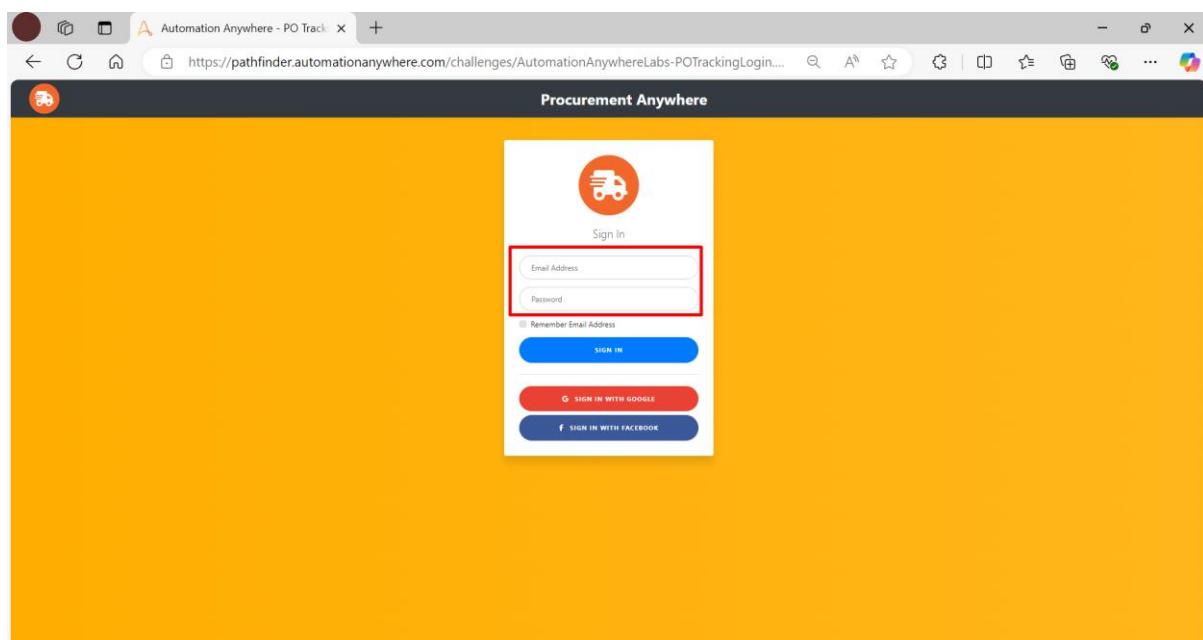
Link de acesso: [Supply Chain Management](#)



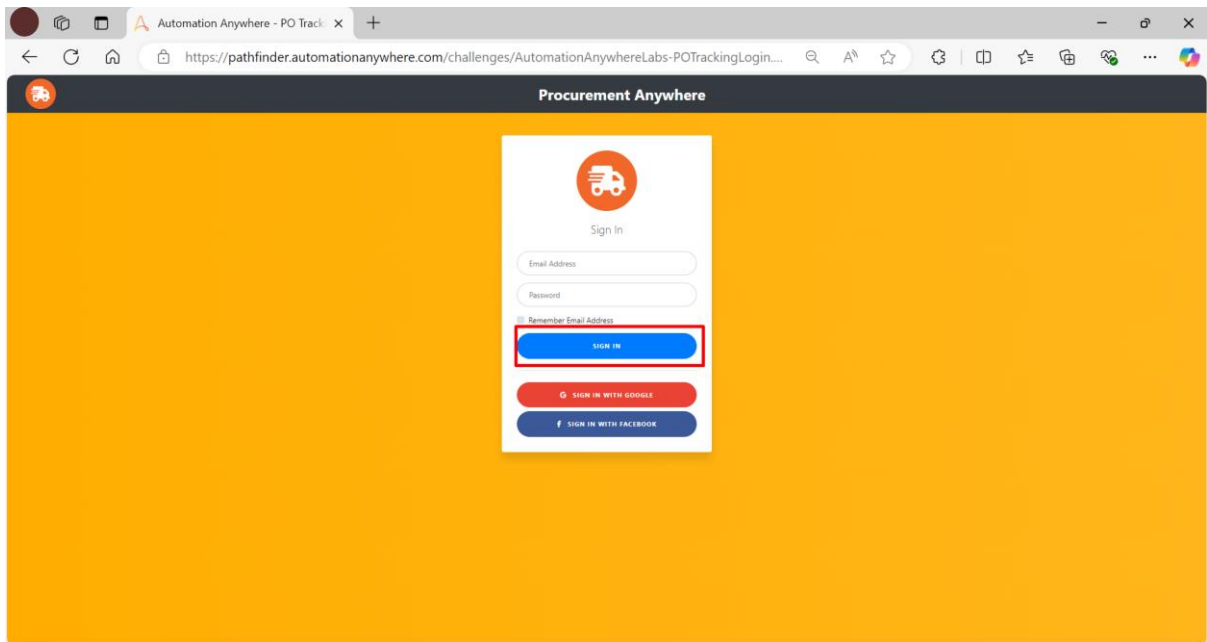
3.2. Acessar site de pesquisa de rastreamento de PO

[RF001] inserir o endereço de e-mail e senha do PO que está acessando o site.

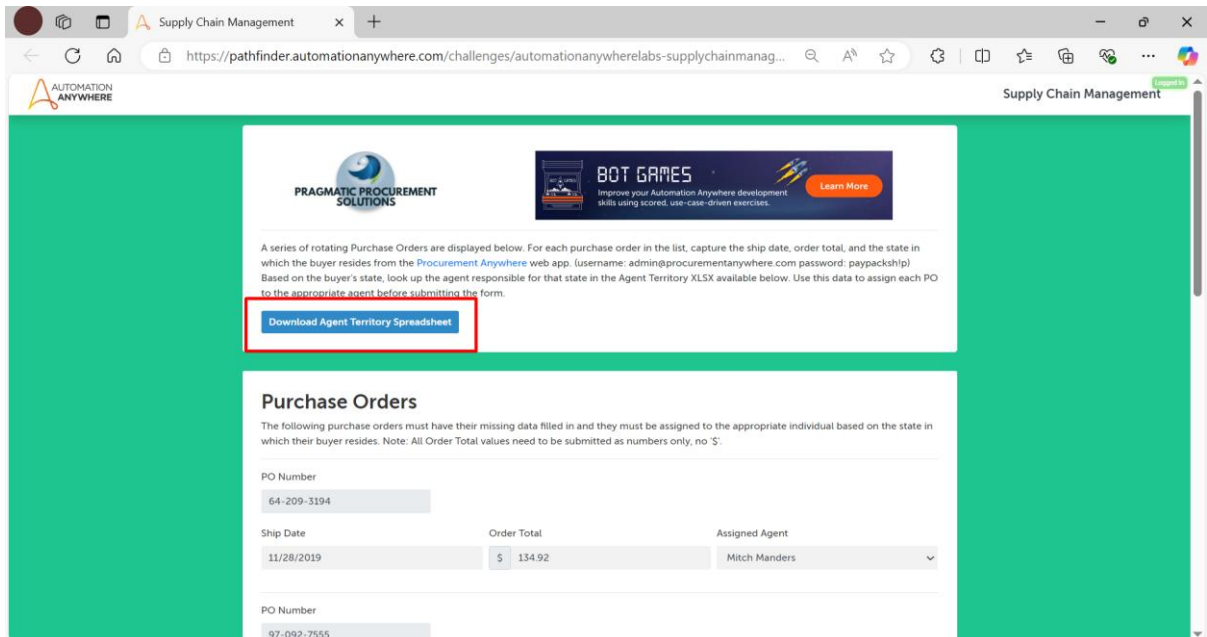
Link de acesso: [Login](#)



Selecionar o botão "Sign in" para logar no site.

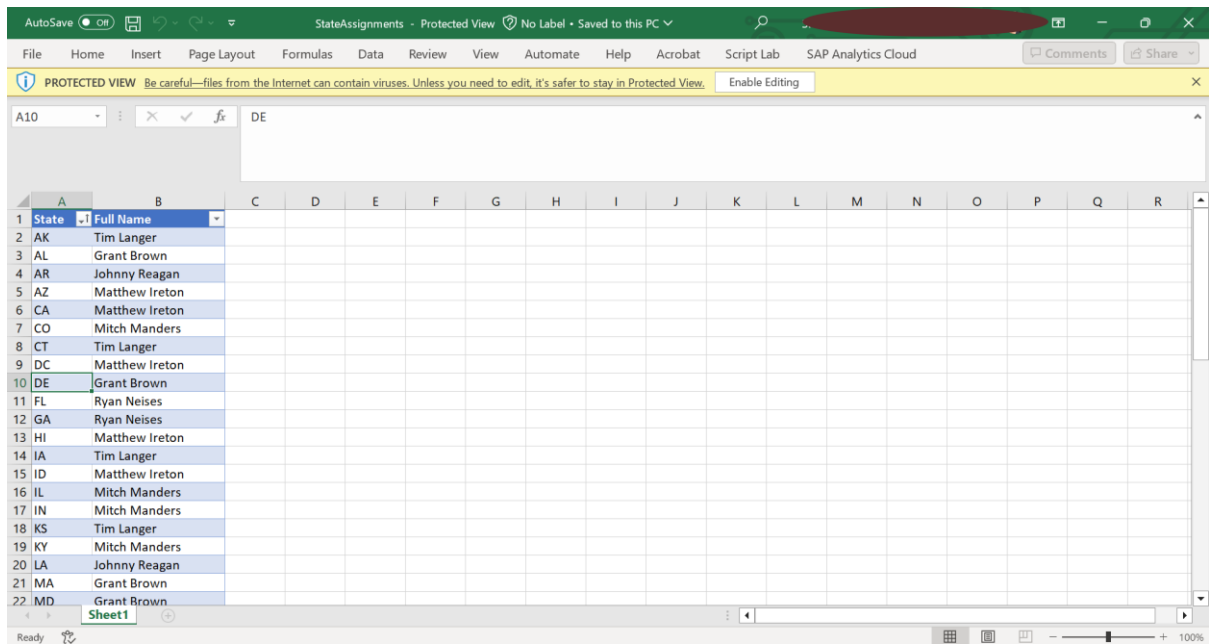


[RF002] Clicar sobre o botão “Download Agent Territory Spreadsheet”.



3.3. Excel

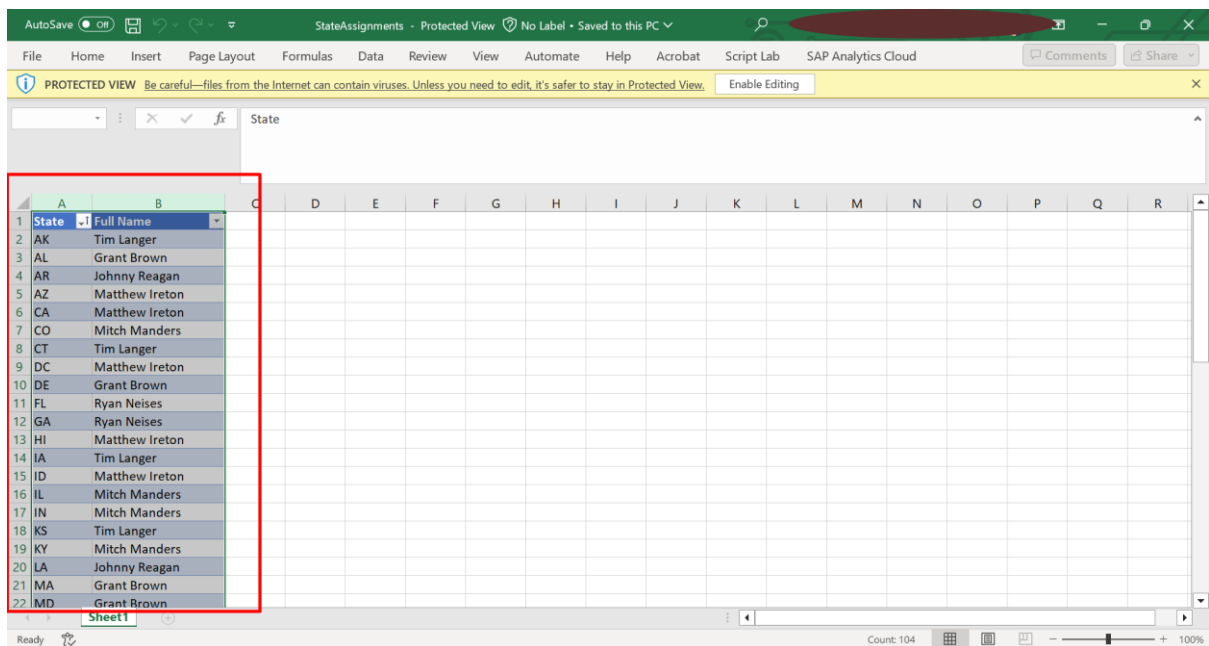
[RN001] Abrir o arquivo “StateAssignments” no Excel Desktop.



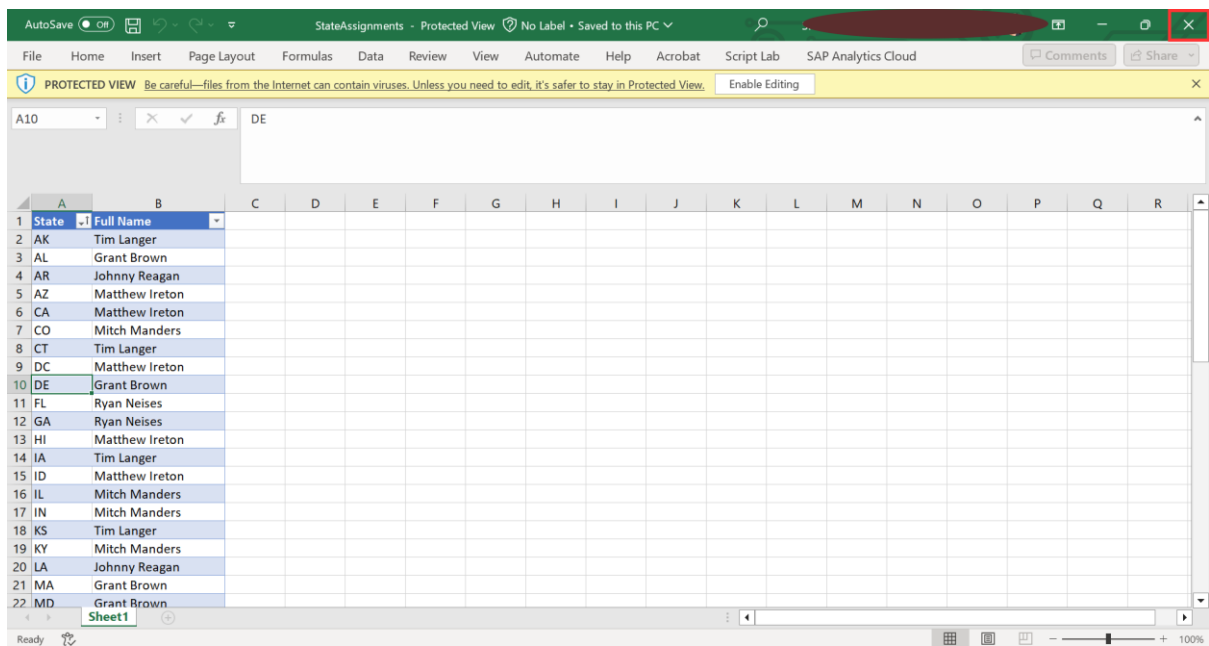
Para cada linha do arquivo, coletar todas as informações e realizar um DE x PARA para um dicionário da seguinte forma:

State > Chave

Full Name > Valor



Fechar arquivo Excel e seguir para o passo 4.0.



4.0 Acessar informações dos pedidos

4.1. Capturar o número do PO

Capturar e armazenar o valor de cada número de PO encontrado dentro de uma variável.

Purchase Orders

The following purchase orders must have their missing data filled in and they must be assigned to the appropriate individual based on the state in which their buyer resides. Note: All Order Total values need to be submitted as numbers only, no "\$".

| | | | |
|--------------------------|-----------|-------------------|-------------------------|
| PO Number 46-900-0085 | Ship Date | Order Total \$ | Assigned Agent Agent |
| PO Number 52-640-9389 | Ship Date | Order Total \$ | Assigned Agent Agent |
| PO Number 05-778-8744 | Ship Date | Order Total \$ | Assigned Agent Agent |

4.2. Pesquisar número de PO

[RF003] Inserir no campo “Search” o valor do número de PO capturado anteriormente na etapa 4.1.

Use this Purchase Order Tracking page in conjunction with Automation Anywhere exercises to learn to use bots to search for data, and extract data from multiple pages.

Purchase Orders

Company XYZ purchase orders are all logged below. Please use the search and sorting capabilities to find the appropriate details for each order.


Show 10 entries

Search:

| PO Number | Buyer Org | Buyer Address | City | State | Zip | Ship Date | Order Total | Customer Contact |
|-------------|------------------|----------------------|-------------|-------|-------|------------|-------------|--------------------------|
| 00-109-9027 | Bernier Inc | 7 Debra Circle | Sioux Falls | SD | 48167 | 6/28/2020 | \$775.24 | zkaleycu@unblog.fr |
| 00-149-0117 | Kilback and Sons | 8888 Coolidge Center | Chicago | IL | 59495 | 11/9/2019 | \$605.17 | dheggadonpi@slashdot.org |
| 00-361-2706 | Welch Group | 38414 Dryden Plaza | Roanoke | VA | 80100 | 10/24/2019 | \$53.60 | dstapford5i@spiegel.de |

4.3. Capturar estado

Após o carregamento da tabela contendo as informações do PO, obter o estado do PO.

 **Procurement Anywhere** Log out

Purchase Order Tracking

Use this Purchase Order Tracking page in conjunction with Automation Anywhere exercises to learn to use bots to search for data, and extract data from multiple pages.

Purchase Orders

Company XYZ purchase orders are all logged below. Please use the search and sorting capabilities to find the appropriate details for each order.

Show 10 entries Search: 91-103-2358

| PO Number | Buyer Org | Buyer Address | City | State | Zip | Ship Date | Order Total | Customer Contact |
|-------------|---------------|------------------|-----------|-------|-------|-----------|-------------|-------------------------------|
| 91-103-2358 | Flatley Group | 4409 Brown Point | Las Vegas | NV | 89102 | 10/4/2020 | \$764.98 | pavramovskiyb@fastcompany.com |

Showing 1 to 1 of 1 entries (filtered from 1,000 total entries) First 1 Last

Verificar o valor do estado encontrado dentro do dicionário **dEstadosRepresentantes**. Após isso, seguir para a próxima etapa.

4.4. Selecionar representante

[RF004] Expandir a combo box “Assigned Agent” e selecionar o representante de acordo com o valor capturado na etapa 4.3.

Supply Chain Management

Purchase Orders

The following purchase orders must have their missing data filled in and they must be assigned to the appropriate individual based on the state in which their buyer resides. Note: All Order Total values need to be submitted as numbers only, no '\$'.

PO Number
 46-900-0085

Ship Date

Order Total
 \$

Assigned Agent
 Agent

PO Number
 52-640-9389

Ship Date

Order Total
 \$

Assigned Agent
 Agent

PO Number
 05-778-8744

Ship Date

Order Total
 \$

Assigned Agent
 Agent

4.5. Capturar data da compra

Obter na tabela o valor correspondente à data da compra.

Log out

Purchase Order Tracking

Use this Purchase Order Tracking page in conjunction with Automation Anywhere exercises to learn to use bots to search for data, and extract data from multiple pages.

Purchase Orders

Company XYZ purchase orders are all logged below. Please use the search and sorting capabilities to find the appropriate details for each order.

Show 10 entries

| PO Number | Buyer Org | Buyer Address | City | State | Zip | Ship Date | Order Total | Customer Contact |
|-------------|------------------|----------------------|---------|-------|-------|-----------|-------------|--------------------------|
| 00-149-0117 | Kilback and Sons | 8888 Coolidge Center | Chicago | IL | 59495 | 11/9/2019 | \$05.17 | dheggadonpi@slashdot.org |

Showing 1 to 1 of 1 entries (filtered from 1,000 total entries)

First 1 Last

[RF003] [RN002] Inserir valor dentro do campo “Ship Date”.

Supply Chain Management

Purchase Orders

The following purchase orders must have their missing data filled in and they must be assigned to the appropriate individual based on the state in which their buyer resides. Note: All Order Total values need to be submitted as numbers only, no '\$'.

PO Number
 46-900-0085

Ship Date

Order Total
 \$

Assigned Agent
 Agent

PO Number
 52-640-9389

Ship Date

Order Total
 \$

Assigned Agent
 Agent

PO Number
 05-778-8744

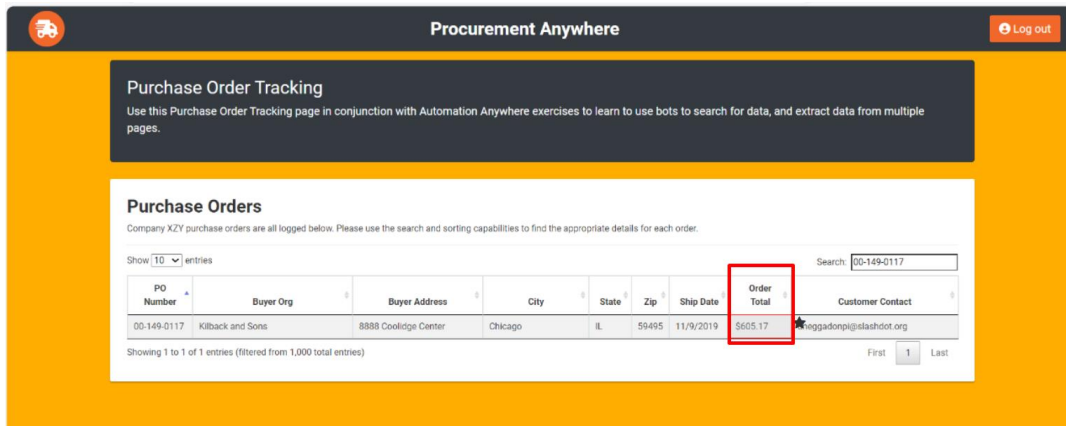
Ship Date

Order Total
 \$

Assigned Agent
 Agent

4.5. Capturar total da compra

Obter na tabela o valor total da compra.



Procurement Anywhere Log out

Purchase Order Tracking
Use this Purchase Order Tracking page in conjunction with Automation Anywhere exercises to learn to use bots to search for data, and extract data from multiple pages.

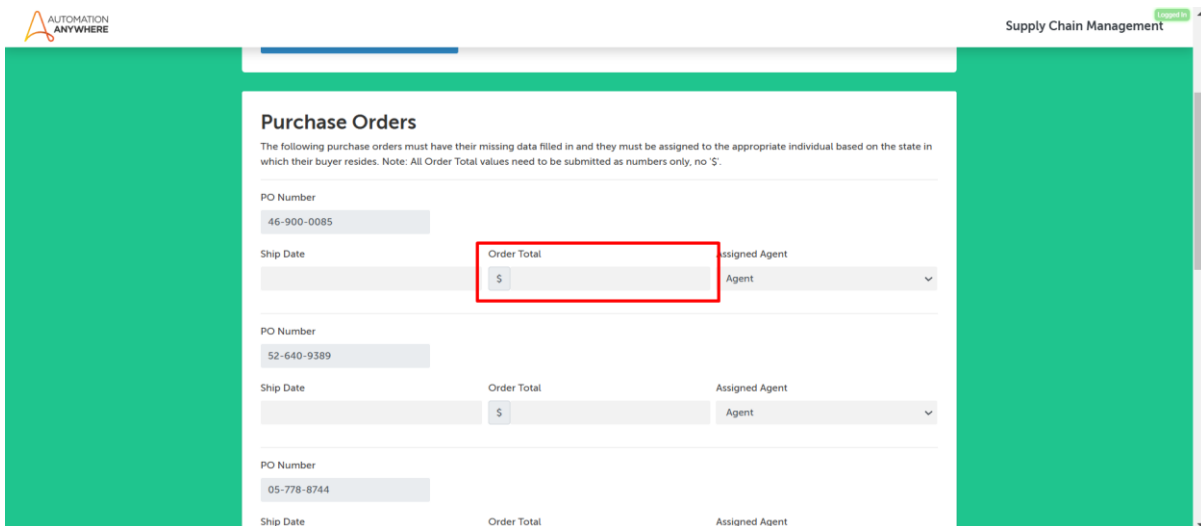
Purchase Orders
Company XYZ purchase orders are all logged below. Please use the search and sorting capabilities to find the appropriate details for each order.

Show 10 entries Search: 00-149-0117

| PO Number | Buyer Org | Buyer Address | City | State | Zip | Ship Date | Order Total | Customer Contact |
|-------------|------------------|----------------------|---------|-------|-------|-----------|-------------|-----------------------|
| 00-149-0117 | Kilback and Sons | 8888 Coolidge Center | Chicago | IL | 59495 | 11/9/2019 | \$605.17 | aggadonpi@stahdot.org |

Showing 1 to 1 of 1 entries (filtered from 1,000 total entries) First 1 Last

[RF003] Inserir valor dentro do campo “Order Total”.



Automation ANYWHERE Supply Chain Management

Purchase Orders
The following purchase orders must have their missing data filled in and they must be assigned to the appropriate individual based on the state in which their buyer resides. Note: All Order Total values need to be submitted as numbers only, no '\$'.

PO Number: 46-900-0085

Ship Date: Order Total: Assigned Agent:

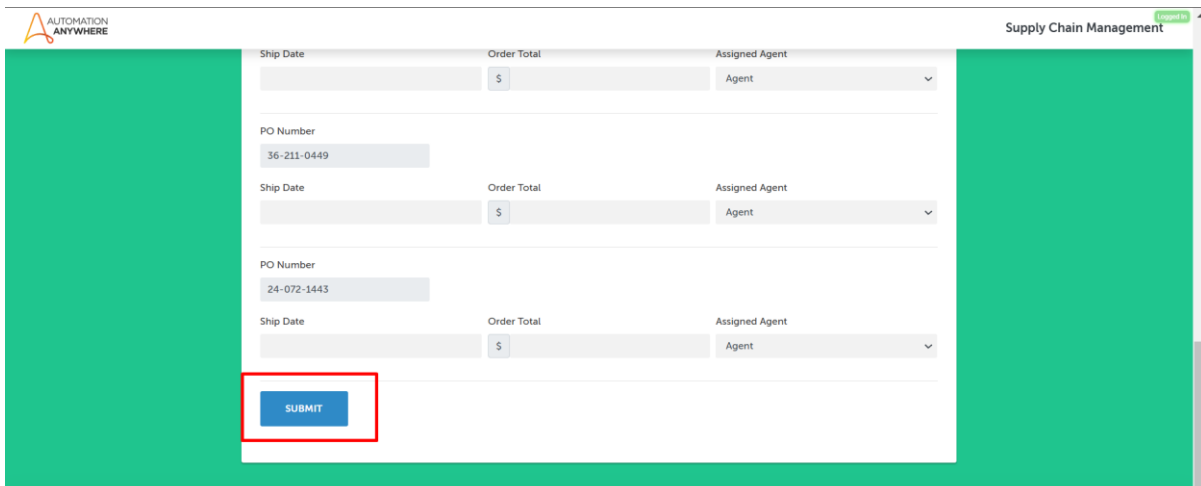
PO Number: 52-640-9389

Ship Date: Order Total: Assigned Agent:

PO Number: 05-778-8744

Ship Date: Order Total: Assigned Agent:

[RF005] Clicar sobre o botão “Submit”, localizado ao final da página.



Automation ANYWHERE Supply Chain Management

Ship Date: Order Total: Assigned Agent:

PO Number: 36-211-0449

Ship Date: Order Total: Assigned Agent:

PO Number: 24-072-1443

Ship Date: Order Total: Assigned Agent:

SUBMIT

5. Requisitos funcionais

| ID | Descrição do requisito |
|-------|--|
| RF001 | Permitir Login do usuário com as credenciais de acesso. |
| RF002 | Realizar o download do arquivo contendo os estados e representantes. |
| RF003 | Permitir a entrada de dados nos campos de input. |
| RF004 | Permitir a seleção de dados nos campos de lista de seleção única. |
| RF005 | Submeter dados de ordens de compras no formulário. |

6. Regras de negócio

| ID | Descrição da regra |
|-------|--|
| RN001 | Cada estado deve possuir um representante. |
| RN002 | O valor total da compra deve conter apenas números inteiros, sem o cifrão. |