

# 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	Mudança realizada
21/01/2024	1.0.0	Criação da especificação técnica

## 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](#)

Acesse o link para verificar o vídeo da solução desenvolvida:

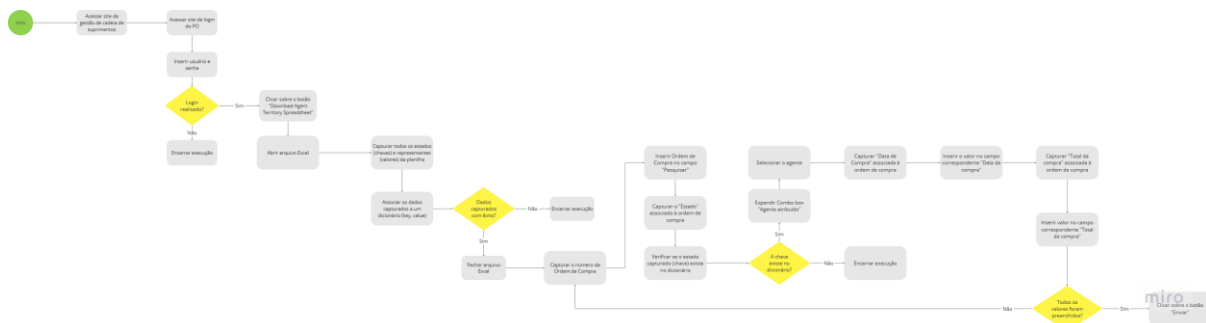
### 2.2. Ferramentas utilizadas

Tecnologias	Arquivos / Caminhos	Versão	Tipo
Excel	StateAssignments.xlsx		Desktop
Google Chrome	<a href="#">Supply Chain Management PO Tracking - Login</a> <a href="#">PO Tracking Lookup</a>		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](#)



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Supply Chain Management


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A series of rotating Purchase Orders are displayed below. For each purchase order in the list, capture the ship date, order total, and the state in which the buyer resides from the [Procurement Anywhere](#) web app. Username: admin@procurementanywhere.com password: paypacks@pl Based on the buyer's state, look up the agent responsible for that state in the Agent Territory XLSX available below. Use this data to assign each PO to the appropriate agent before submitting the form.

[Download Agent Territory Spreadsheet](#)

### Purchase Orders

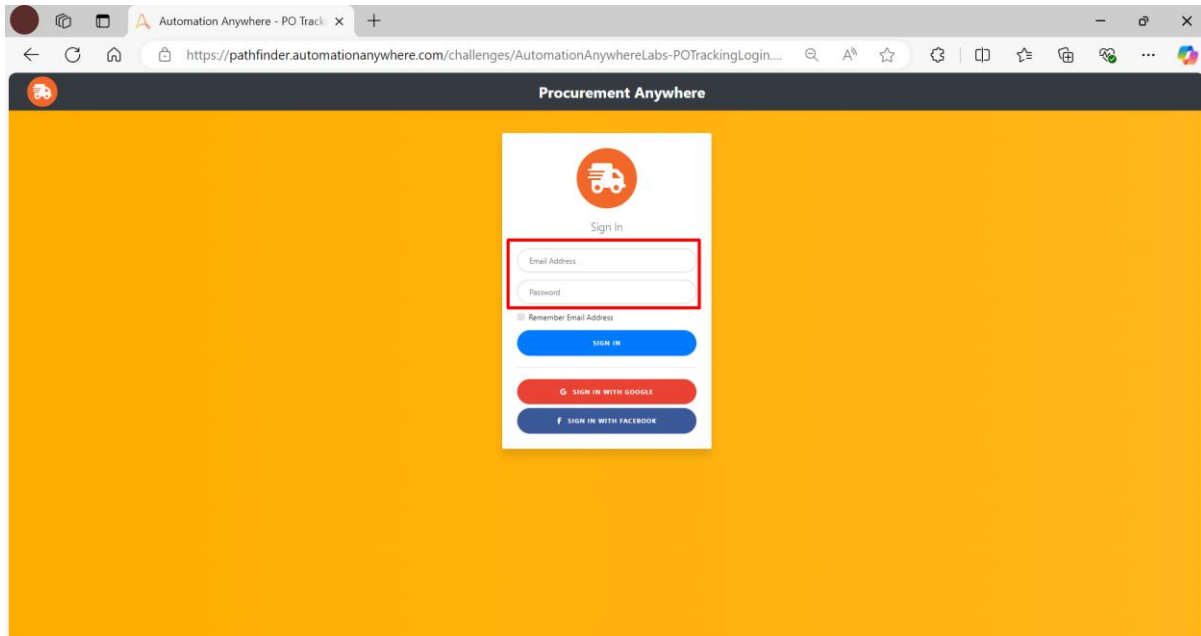
The following purchase orders must have their missing data filled in and they must be assigned to the appropriate individual based on the state in which their buyer resides. Note: All Order Total values need to be submitted as numbers only, no '\$'.

PO Number 64-209-3194	Ship Date 11/28/2019	Order Total \$ 134.92	Assigned Agent Mitch Manders
PO Number 97-092-7555	Ship Date 11/28/2019	Order Total \$ 523.19	Assigned Agent Matthew Iretan
PO Number 61-239-4300	Ship Date	Order Total	Assigned Agent

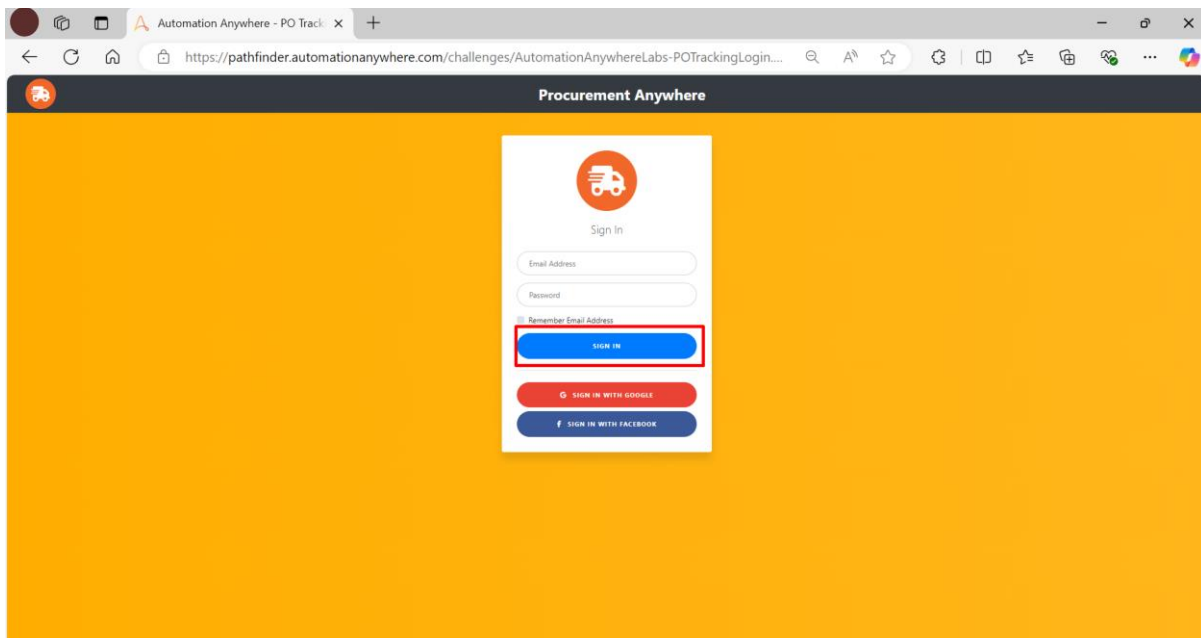
### 3.2. Acessar site de pesquisa de rastreamento de PO

Inserir o endereço de e-mail e senha do PO que está acessando o site.

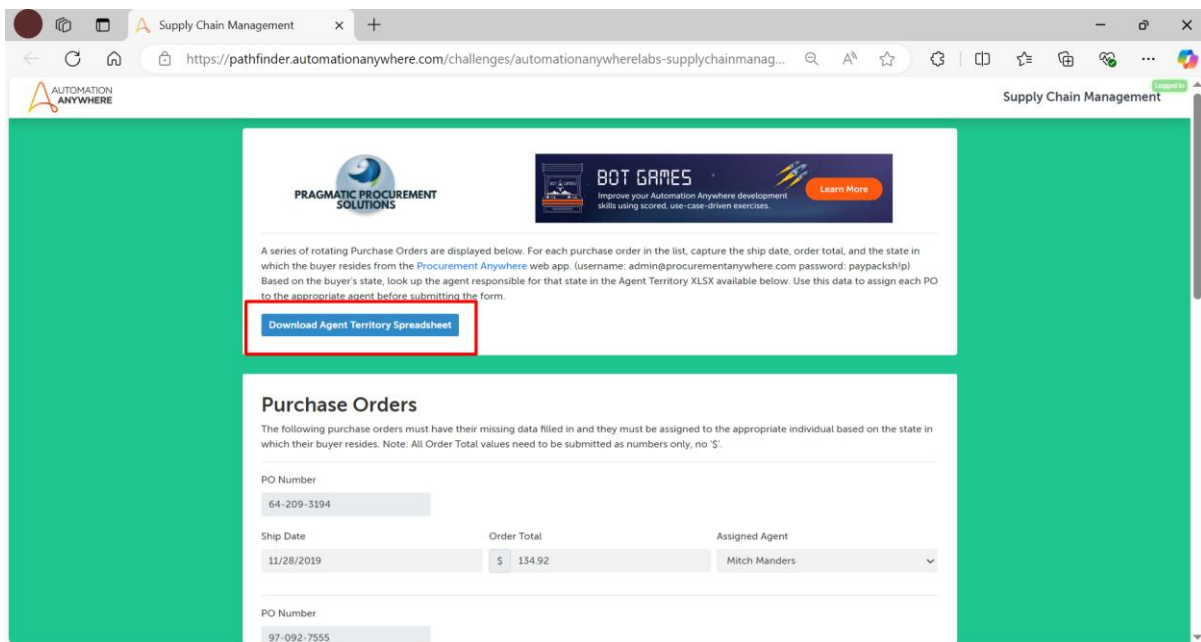
Link de acesso: [Login](#)



Selecionar o botão “Sign in” para logar no site.

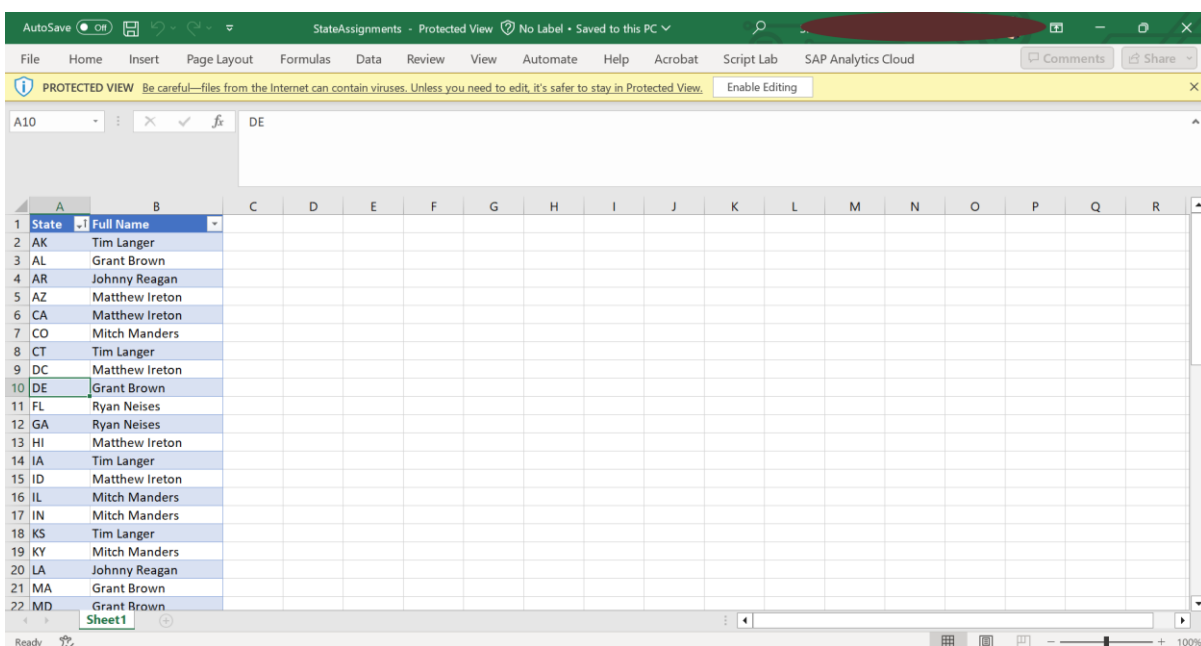


Clicar sobre o botão “Download Agent Territory Spreadsheet”



### 3.3. Excel

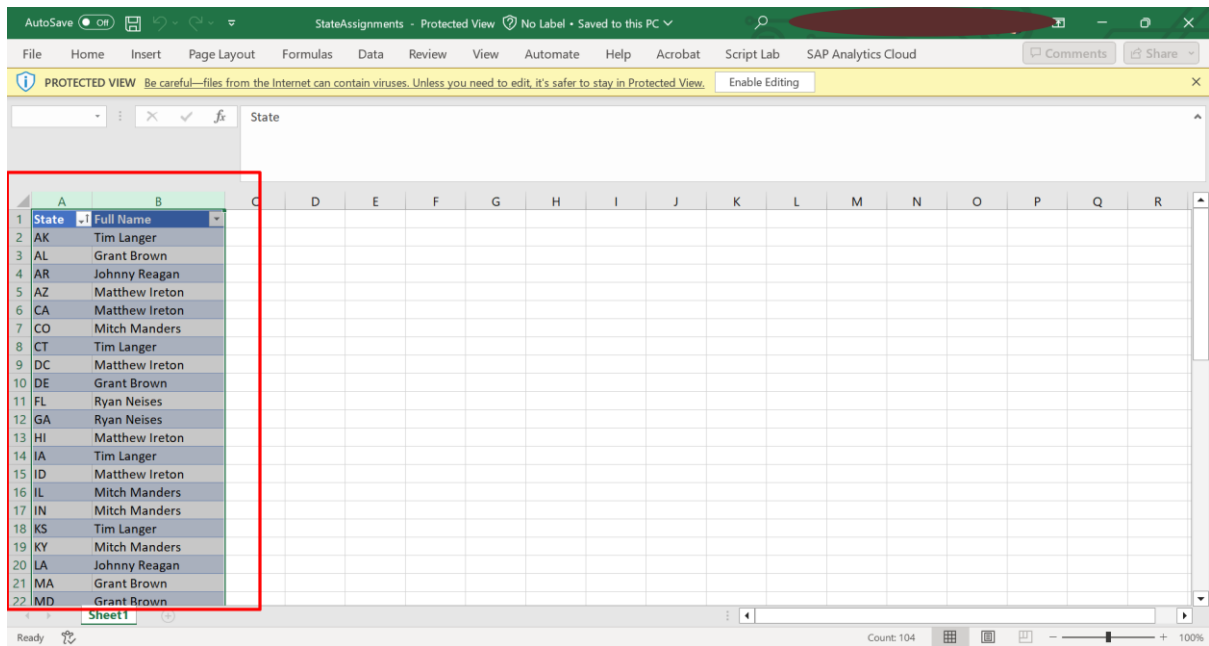
Abrir o arquivo “StateAssignments” no Excel Desktop



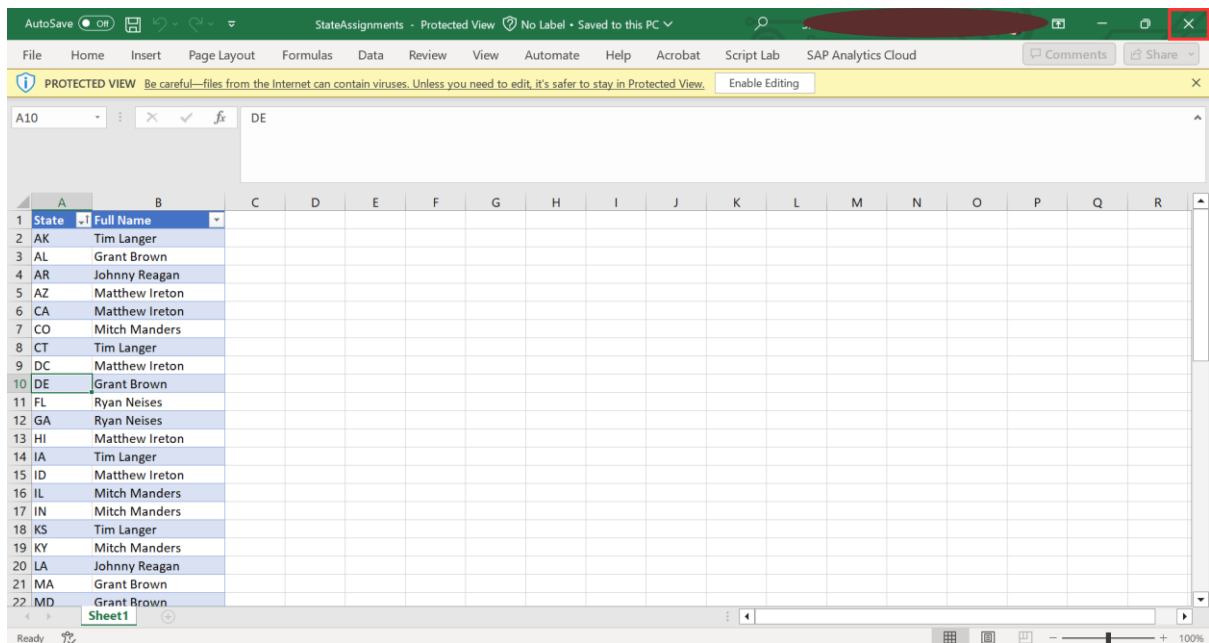
Para cada linha do arquivo, coletar todas as informações e realizar um DE x PARA para um dicionário da seguinte forma:

**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.

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### 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

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  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	891302	10/4/2020	\$764.98	pavramovskiyb8@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

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 \$	<div>Assigned Agent</div> <div>Agent</div> <div>Grant Brown</div> <div>Johnny Reagan</div> <div>Matthew Ireton</div> <div>Mitch Manders</div> <div>Ryan Neises</div> <div>Tim Langer</div>
PO Number 52-640-9389	Ship Date	Order Total \$	
PO Number 05-778-8744	Ship Date	Order Total \$	

## 4.5. Capturar data da compra

Obter na tabela o valor correspondente à data 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  entries Search:

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	dheggadonpi@slashdot.org

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

Inserir valor dentro do campo “Ship Date”.

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### 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:

Ship Date:  Order Total: \$  Assigned Agent:

PO Number:

Ship Date:  Order Total: \$  Assigned Agent:

PO Number:

Ship Date:  Order Total: \$  Assigned 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.

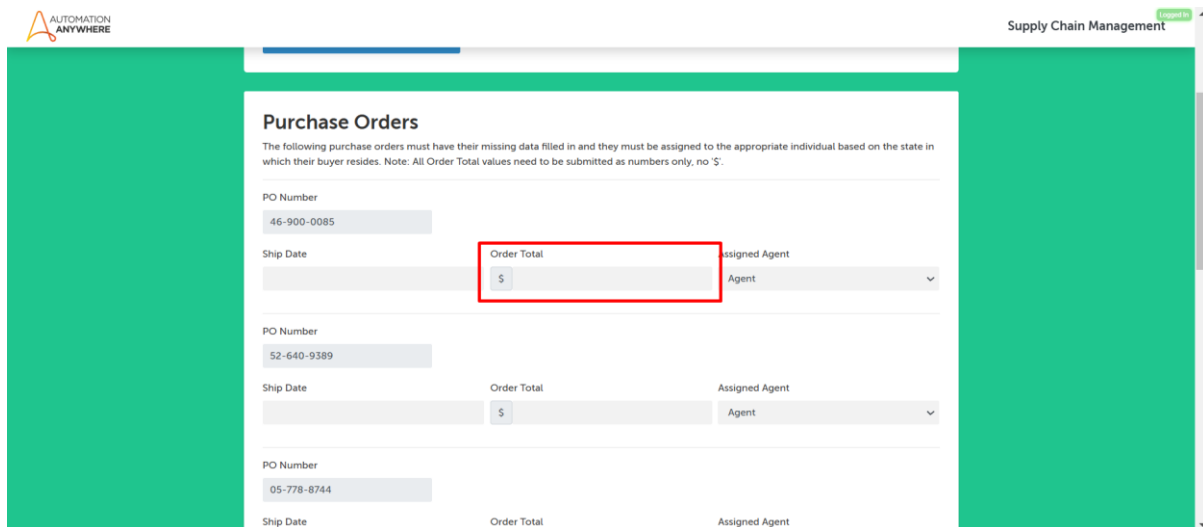
Show  entries Search:

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	dheggadonpi@slashdot.org

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

Inserir valor dentro do campo “Order Total”.





**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:

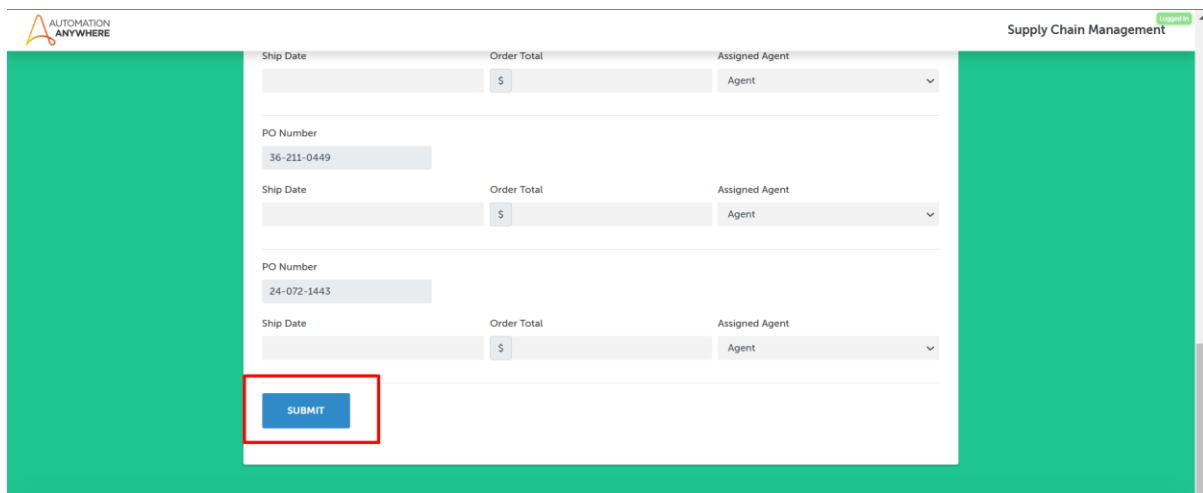
PO Number: 05-778-8744

Ship Date:

Order Total:

Assigned Agent:

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



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
<i>RN001</i>	<i>Cada estado deve possuir um representante.</i>
<i>RF002</i>	<i>O valor total da compra deve conter apenas números inteiros, sem o cifrão.</i>
<i>RF003</i>	<i>Os dados da PO devem ser capturados a partir do HTML ID, contendo a variável que será atualizada a cada iteração no final do elemento.</i>  <i>Ex: agente\$ Contador\$</i>