

Business Component Creation using IM Actions



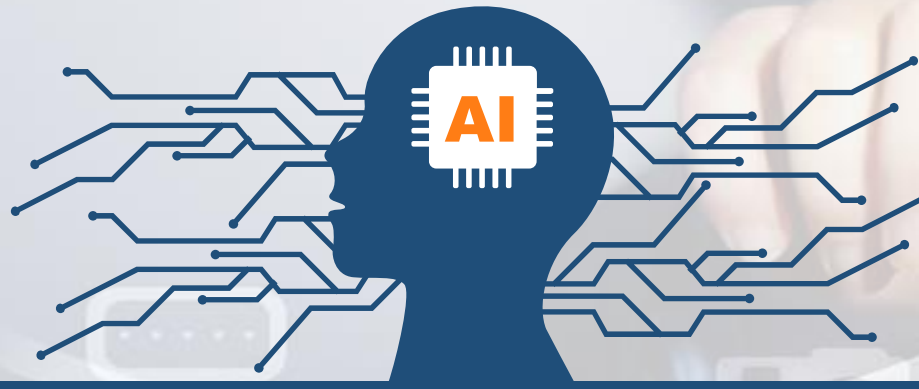
PRODUCT QUALITY



OPERATIONAL EFFICIENCY



TEST INFRASTRUCTURE UTILIZATION



Universal Technology Solutions



BC creation with IM actions

- Click on **Functional**.



BC creation with IM actions (contd.)

- Click on **Web**.



BC creation with IM actions (contd.)

- Type IM in Action column to get all IM Action and select an action to be performed.

The screenshot shows the 'Automate - [Business Component]' window. The top bar includes a URL field with 'https://www.seleniumeasy.com', a 'Learn On : Edge' dropdown, 'Learning Mode : RPA', 'Language : English', 'Application Type : Web', and 'Component View : Grid'. The left sidebar shows a 'List of Test Automation Artifacts' with 'Project: AgainTest' and 'Sub Project: AgainTest'. The main area displays a table with columns: Steps, Action Reference, InputValue, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting. A dropdown menu is open under the 'Action' column, listing various IM actions. The 'IMRightClick' action is highlighted. The bottom status bar shows 'Static Data', 'UTS-ANANTRAYA Connected', 'TestMagic', 'Web / Web Services', 'Version 6.2.12.14', and '(Lite Version License Valid for next 24 days)'.

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1				IMImageAreaClick				<input type="checkbox"/>
*								<input type="checkbox"/>

- ImageAreaClick
- ImageViewClick
- IMButtonClick
- IMCheckBoxSelect
- IMDoubleClick
- IMGetImage
- IMGETText
- IMGetValueFromText
- IMImageClick
- IMListSelect
- IMMouseHover
- IMPerformClick
- IMPerformColourClick
- ImportDBFromFile
- IMRadioButtonSelect
- IMRightClick**
- IMRowClick
- IMRowSetText
- IMSelectItem
- IMSetFocus
- IMSetText
- IMTypeText
- IMVerifyColourExists

BC creation with IM actions (contd.)

- Select the action- **IMSetText**.
- Click on **Snipping Tool**.

The screenshot displays the 'Automate - [Business Component]' window. The top toolbar includes a URL field with 'https://www.seleniumeasy.com', a play button, a help icon, and various settings like 'Learn On: Edge', 'Learning Mode: RPA', 'Language: English', 'Application Type: Web', and 'Component View: Grid'. Below the toolbar, a breadcrumb trail shows 'BDD Features' > 'TestCase' > 'Business Process Workflow' > 'Business Component' > 'Test Data Management'. The left sidebar, titled 'List of Test Automation Artifacts', shows a tree structure with 'Project: AgainTest' and 'Sub Project: AgainTest'. Under 'Business Component(s)', there is a plus icon. The main workspace shows a table for 'Untitled - Component*'. The table has columns: Steps, Action Reference, Input Value, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting. The first row (Step 1) contains: 1, {ImageName}, {InputValue}, (empty), IMSetText, (empty), (empty), (empty), and a checked checkbox. The bottom status bar shows 'Static Data', 'UTS-ANANTRAYA Connected', 'TestMagic', 'Web / Web Services', 'Version 6.2.12.14', and '(Lite Version License Valid for next 24 days)'. A vertical toolbar on the right side contains icons for 'Customize Actions', 'DB Operations', 'File Operations', and 'Mobile Operations'.

Steps	Action Reference	Input Value	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	{ImageName}	{InputValue}		IMSetText				<input checked="" type="checkbox"/>

BC creation with IM actions (contd.)

- Snipping Tool is opened.

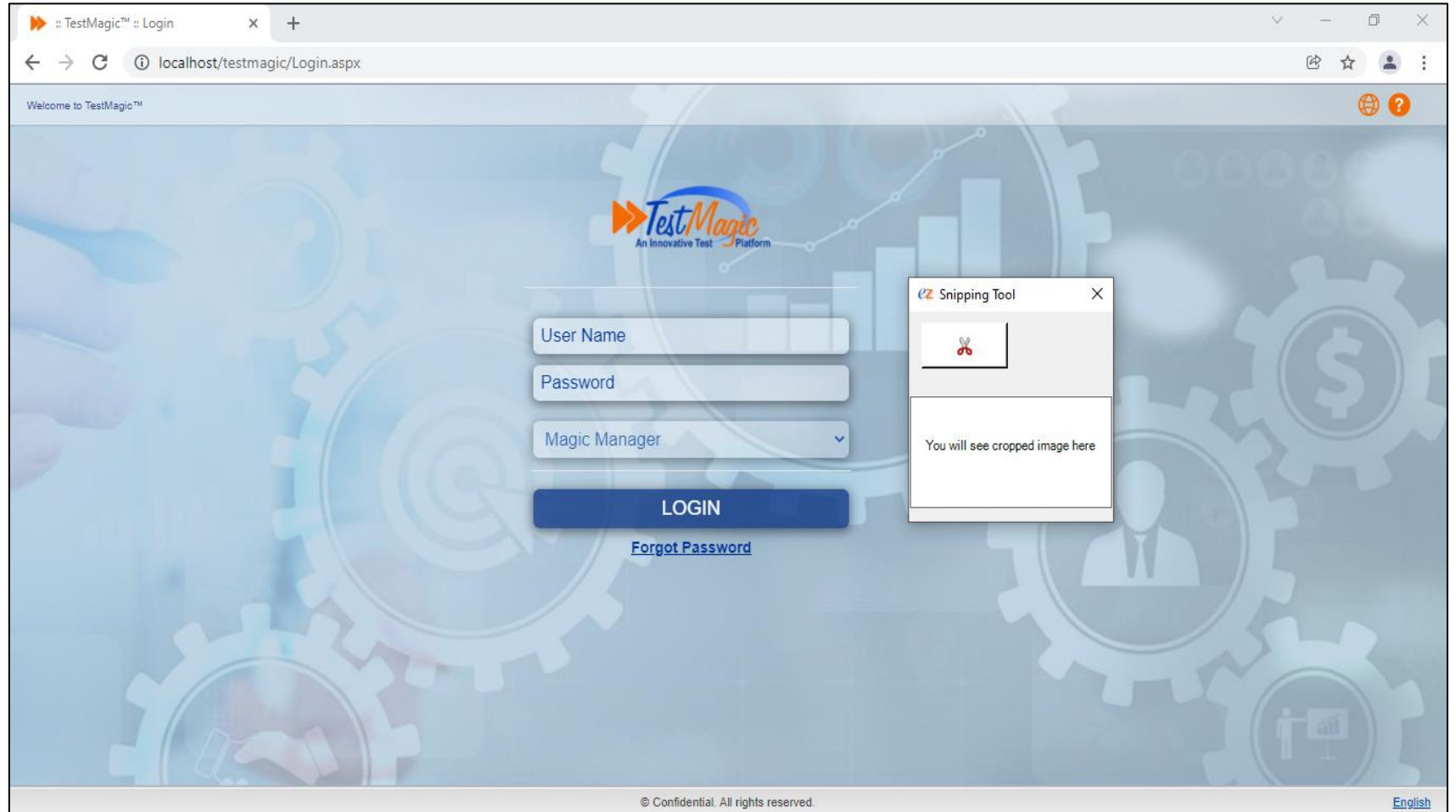
The screenshot shows the Automate - [Business Component] interface. The top bar includes a URL field with 'https://www.seleniumeasy.com', a 'Learn On : Edge' dropdown, 'Learning Mode : RPA', 'Language : English', 'Application Type : Web', and 'Component View : Grid'. The left sidebar lists 'List of Test Automation Artifacts' with expandable sections for 'BDD Feature File(s)', 'Automated Test Suite(s)', 'Business Process Workflow(s)', and 'Business Component(s)'. The main area displays a table titled 'Untitled - Component* X' with the following columns: Steps, Action Reference, InputValue, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting. The table contains one row with the following data:

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	User Name	magicmanager		IMSetText				<input checked="" type="checkbox"/>

A 'Snipping Tool' window is overlaid on the main interface, showing a scissors icon and the text 'You will see cropped image here'. The bottom status bar includes 'Static Data', 'UTS-ANANTRAYA Connected', 'TestMagic', 'Web / Web Services', 'Version 6.2.12.14', and '(Lite Version License Valid for next 24 days)'.

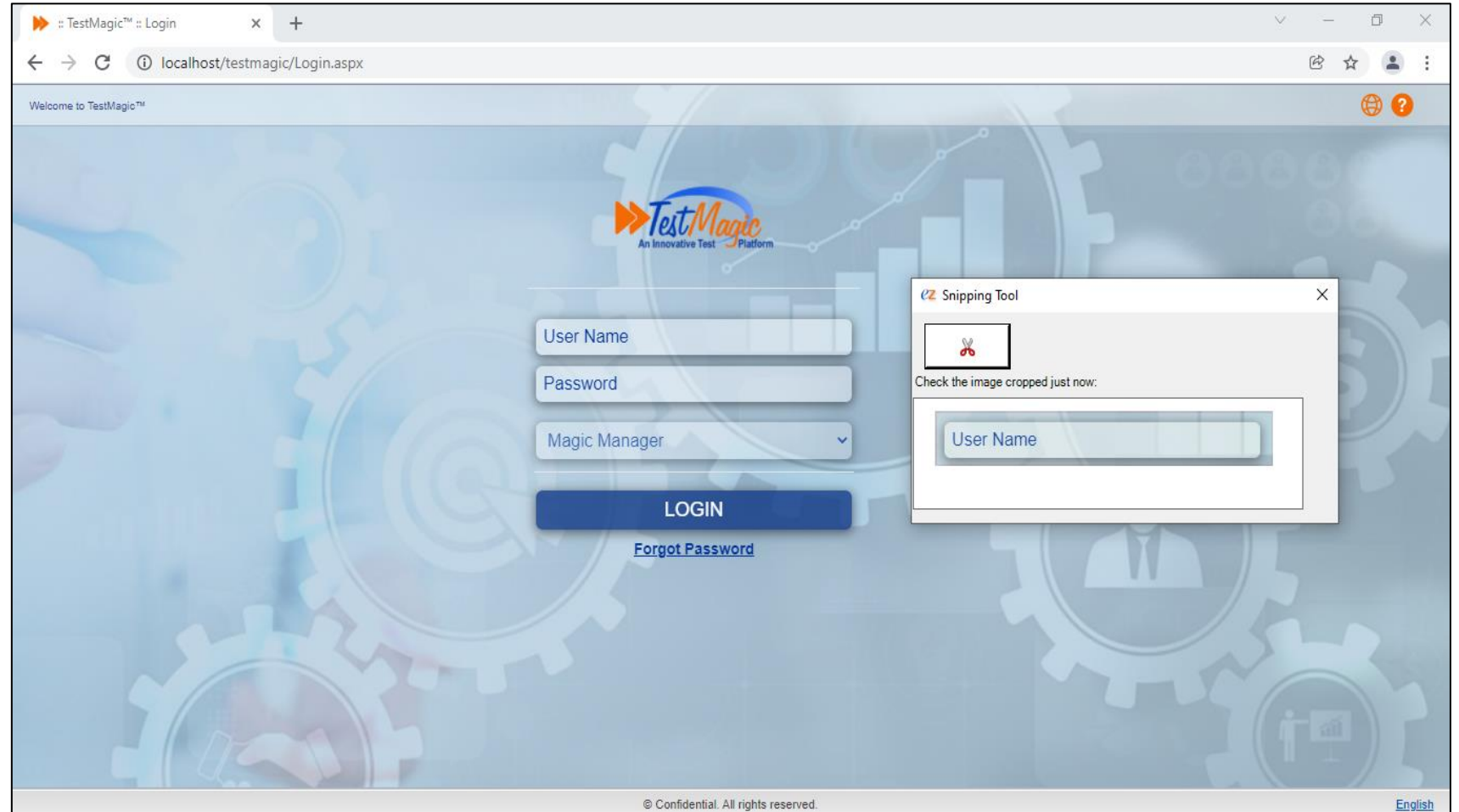
BC creation with IM actions (contd.)

- Use snipping tool to cut image.



BC creation with IM actions (contd.)

- Cropped image can be seen here.



BC creation with IM actions (contd.)

- By double clicking here we can see the cropped image

The screenshot displays the eZAutomate - [Business Component] interface. The top bar includes a URL field with 'https://www.seleniumeasy.com', a 'Learn On : Edge' button, and various settings like 'Learning Mode : RPA', 'Language : English', 'Application Type : Web', and 'Component View : Grid'. The left sidebar shows a 'List of Test Automation Artifacts' with a tree view containing 'BDD Feature File(s)', 'Automated Test Suite(s)', 'Business Process Workflow(s)', and 'Business Component(s)'. The main area shows a table with the following columns: Steps, Action Reference, InputValue, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting. The table contains one row with the following data:

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	User Name	magicmanager		IMSetText				<input checked="" type="checkbox"/>

Below the table, a cropped image of a 'User Name' input field is shown. The image is titled 'eZAutomate - Image' and contains the text 'User Name'.

The bottom status bar shows 'Static Data', 'UTS-ANANTRAYA Connected', 'TestMagic', 'Web / Web Services', 'Version 6.2.12.14', and '(Lite Version License Valid for next 24 days)'.

BC creation with IM actions (contd.)

- For capturing **IMVerifyText** the following image will be captured through snipping tool.

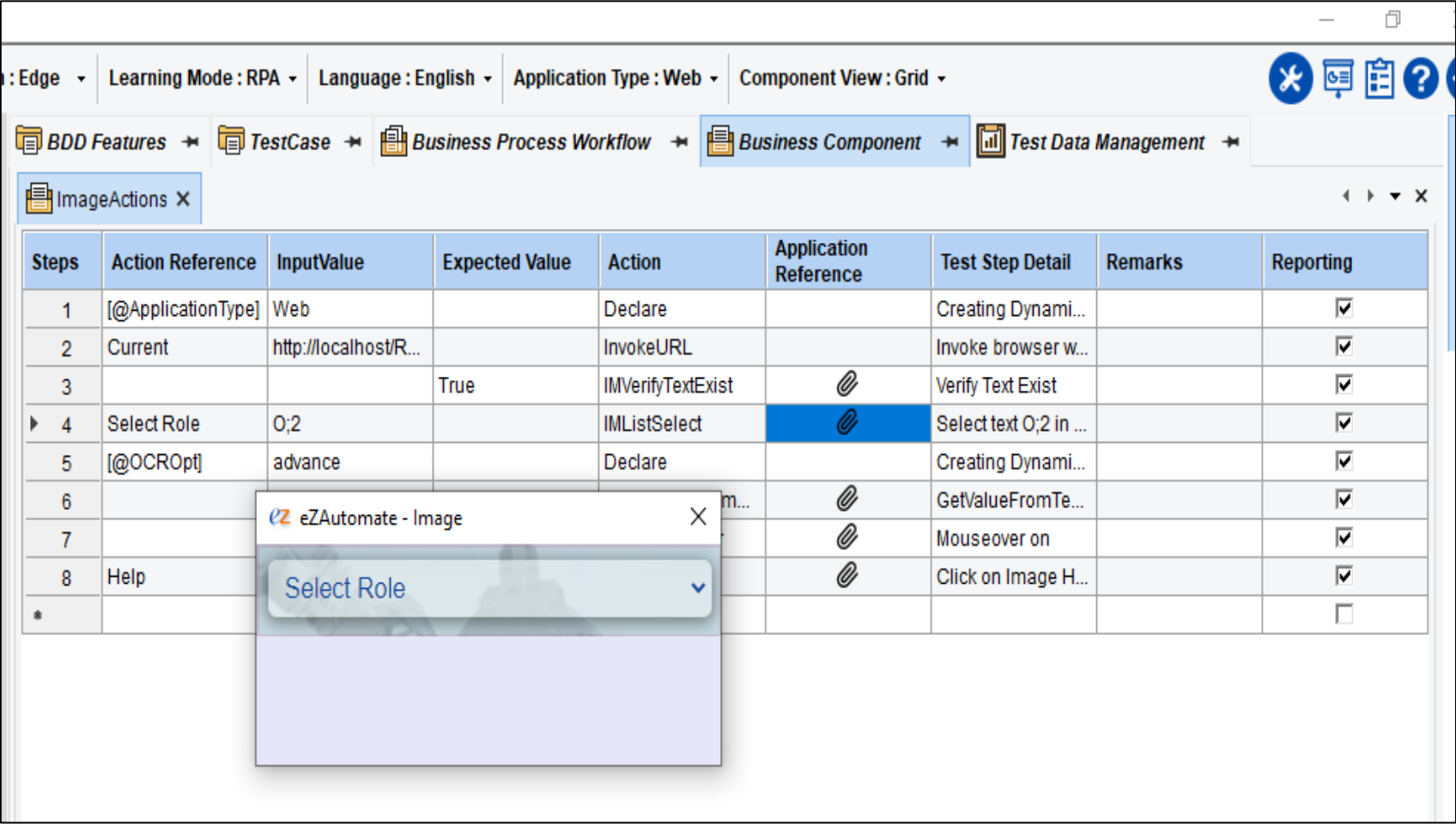
The screenshot displays the eZAutomate Business Component editor interface. At the top, there are tabs for 'BDD Features', 'TestCase', 'Business Process Workflow', 'Business Component' (selected), and 'Test Data Management'. Below the tabs is a table with the following columns: Steps, Action Reference, InputValue, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting.

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	[@ApplicationType]	Web		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		<input checked="" type="checkbox"/>
3			True	IMVerifyTextExist		Verify Text Exist		<input checked="" type="checkbox"/>
4	Select Role	0;2		IMListSelect		Select text 0;2 in ...		<input checked="" type="checkbox"/>
5	[@OCROpt]	advance		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
6		[GH];+10;r		GetValueFrom...		GetValueFromTe...		<input checked="" type="checkbox"/>
7				MouseHover		Mouseover on		<input checked="" type="checkbox"/>
8	Help			ButtonClick		Click on Image H...		<input checked="" type="checkbox"/>
*								<input type="checkbox"/>

An 'ImageActions' window is open over the table, showing a captured image of an 'OTP Login' button. The window title is 'eZAutomate - Image' and it has a close button (X).

BC creation with IM actions (contd.)

- For capturing **IMListSelect** the following image will be captured through snipping tool.



The screenshot displays the eZAutomate interface with the 'Business Component' tab selected. A table lists test steps, with step 4, 'Select Role', highlighted. A dropdown menu is open over this step, showing the selected action 'Select Role'. The table columns are: Steps, Action Reference, InputValue, Expected Value, Action, Application Reference, Test Step Detail, Remarks, and Reporting.

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	[@ApplicationType]	Web		Declare		Creating Dynami...		✓
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		✓
3			True	IMVerifyTextExist		Verify Text Exist		✓
▶ 4	Select Role	0;2		IMListSelect		Select text 0;2 in ...		✓
5	[@OCROpt]	advance		Declare		Creating Dynami...		✓
6						GetValueFromTe...		✓
7						Mouseover on		✓
8	Help					Click on Image H...		✓
*								□

BC creation with IM actions (contd.)

- For capturing **IMGetValueFromText** the following image will be captured through snipping tool.

Edge ▾ | Learning Mode : RPA ▾ | Language : English ▾ | Application Type : Web ▾ | Component View : Grid ▾

BDD Features ➡

TestCase ➡

Business Process Workflow ➡

Business Component ➡

Test Data Management ➡

ImageActions X

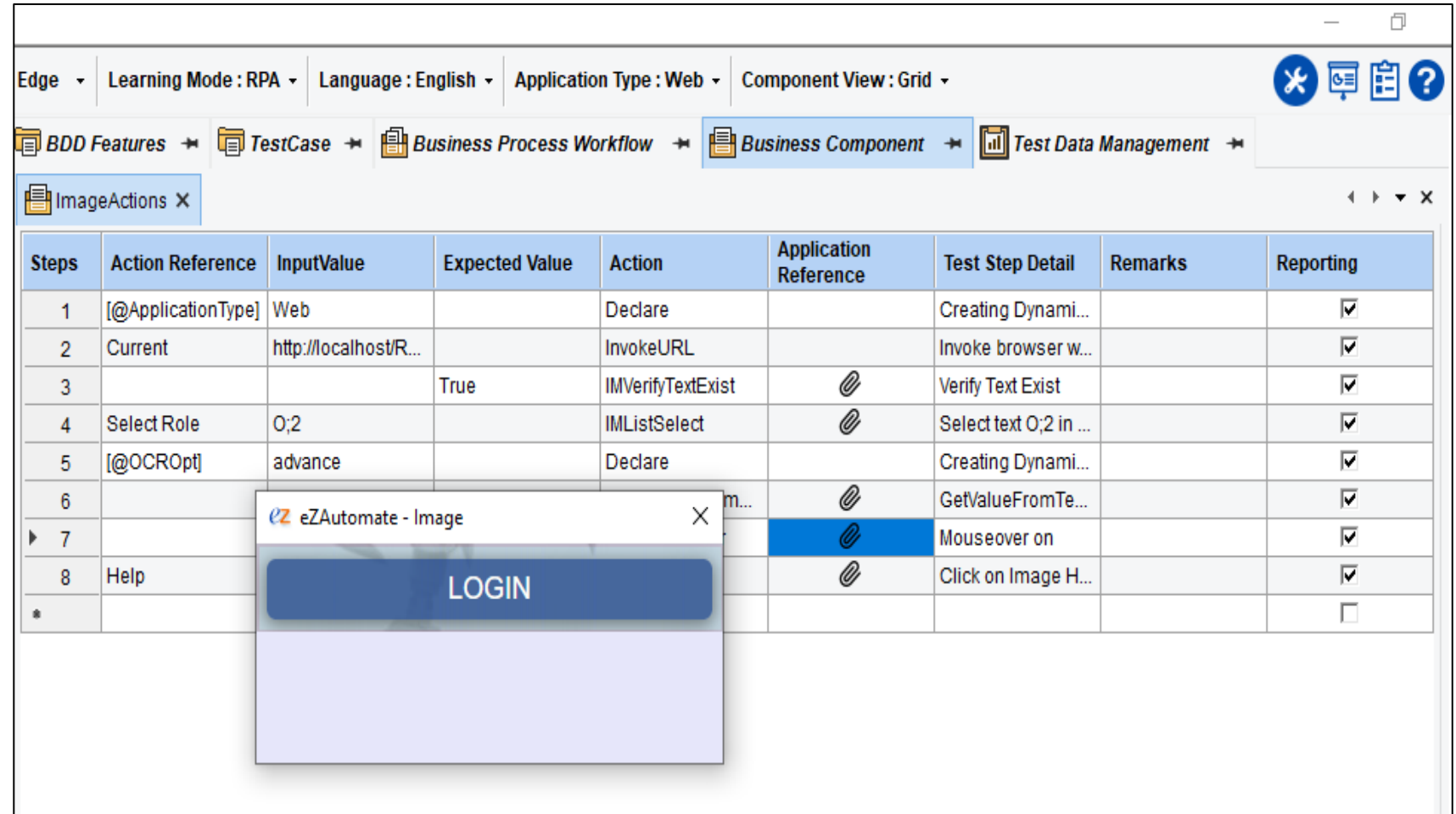
Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	[@ApplicationType]	Web		Declare		Creating Dynami...		✓
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		✓
3			True	IMVerifyTextExist	📎	Verify Text Exist		✓
4	Select Role	O;2		IMListSelect	📎	Select text O;2 in ...		✓
5	[@OCROpt]	advance		Declare		Creating Dynami...		✓
▶ 6		[GH];+10;r		GetValueFrom...	📎	GetValueFromTe...		✓
7				MouseHover	📎	Mouseover on		✓
8	Help			ButtonClick	📎	Click on Image H...		✓
*								☐

eZAutomate - Image X

User Name :

BC creation with IM actions (contd.)

- For capturing **IMMouseHover** the following image will be captured through snipping tool.



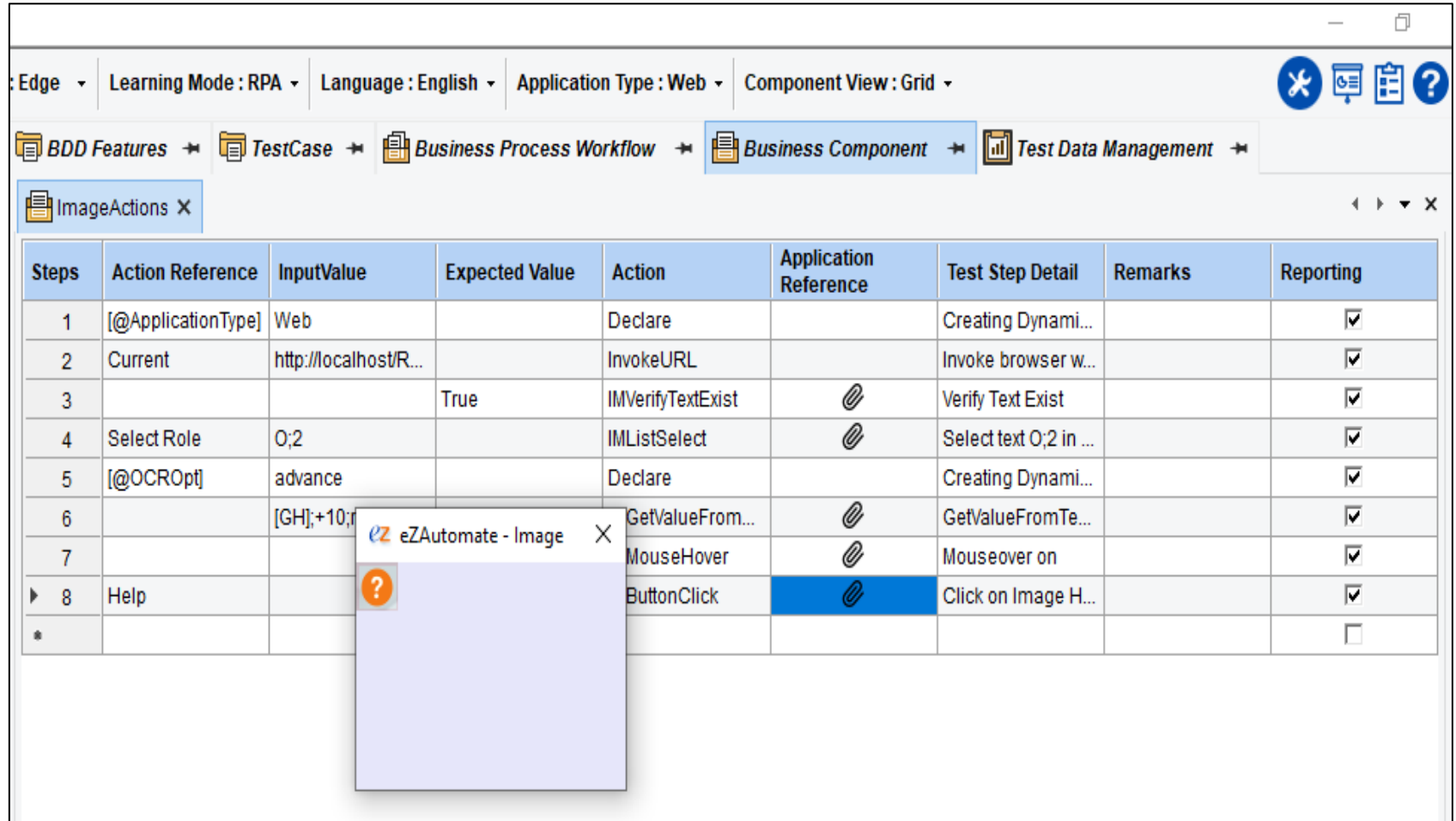
The screenshot displays the eZAutomate interface with the 'Business Component' tab selected. The configuration table is as follows:

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	[@ApplicationType]	Web		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		<input checked="" type="checkbox"/>
3			True	IMVerifyTextExist		Verify Text Exist		<input checked="" type="checkbox"/>
4	Select Role	0;2		IMListSelect		Select text 0;2 in ...		<input checked="" type="checkbox"/>
5	[@OCROpt]	advance		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
6						GetValueFromTe...		<input checked="" type="checkbox"/>
7						Mouseover on		<input checked="" type="checkbox"/>
8	Help					Click on Image H...		<input checked="" type="checkbox"/>
*								<input type="checkbox"/>

A modal window titled 'eZAutomate - Image' is overlaid on the table, showing a 'LOGIN' button. This button is the target for the 'Mouseover on' action in step 7.

BC creation with IM actions (contd.)

- For capturing **IMButtonClick** the following image will be captured through snipping tool.



The screenshot displays the eZAutomate interface with the following components:

- Top Bar:** Edge | Learning Mode : RPA | Language : English | Application Type : Web | Component View : Grid
- Navigation:** BDD Features | TestCase | Business Process Workflow | Business Component | Test Data Management
- ImageActions Tab:** ImageActions X
- Table:**

Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
1	[@ApplicationType]	Web		Declare		Creating Dynami...		✓
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		✓
3			True	IMVerifyTextExist	🔗	Verify Text Exist		✓
4	Select Role	0;2		IMListSelect	🔗	Select text 0;2 in ...		✓
5	[@OCROpt]	advance		Declare		Creating Dynami...		✓
6		[GH];+10;		GetValueFrom...	🔗	GetValueFromTe...		✓
7				MouseHover	🔗	Mouseover on		✓
▶ 8	Help			ButtonClick	🔗	Click on Image H...		✓
*								☐

An 'eZAutomate - Image' window is overlaid on the table, showing a question mark icon.

BC creation with IM actions (contd.)

- Save the Business Component with proper name and fill the other required details.

The screenshot shows the 'Save - Business Component' dialog box. The 'Project' is set to 'Test' and the 'Sub Project' is also 'Test'. The 'Name' field contains 'BC_ImageActions'. The 'Assigned Group' is empty. The 'Description' field is empty. The 'Audit Log Message' field contains 'Changes Audit Remarks'. The 'OK' and 'Cancel' buttons are at the bottom.

The screenshot shows the 'BC_ImageActions' table with the following data:

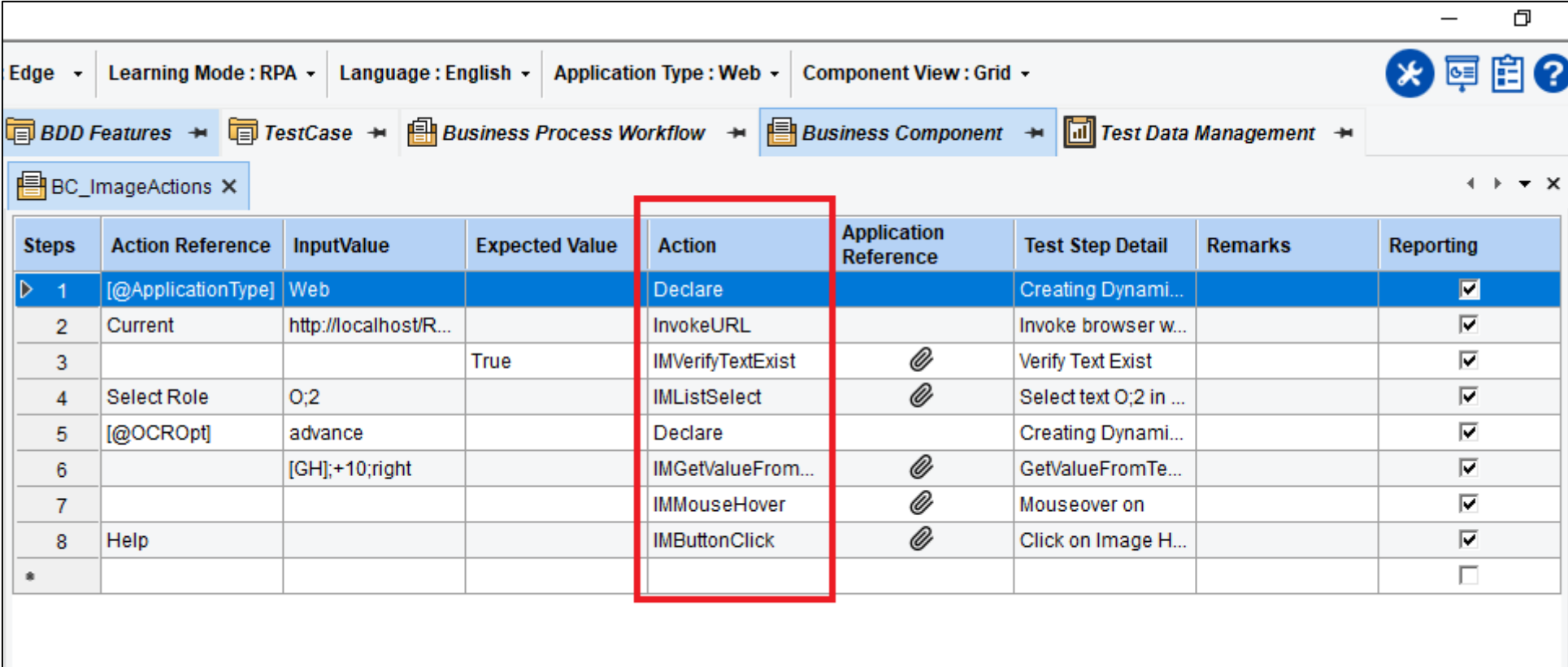
Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail
1	[@ApplicationType]	Web		Declare		Creating Dynami...
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...
3			True	IMVerifyTextExist		Verify Text Exist
4	Select Role	0;2		IMListSelect		Select text 0;2 in ...
5	[@OCROpt]	advance		Declare		Creating Dynami...
6		[GH];+10;right		IMGetValueFrom...		GetValueFromTe...
7				IMMouseHover		Mouseover on
8	Help					Click on Image H...
*						

A 'Save' dialog box is open, displaying the message 'Business Component Saved Successfully.' with an 'OK' button.



BC creation with IM actions (contd.)

➤ Defined some of the IM functions and created the Business Component.



Steps	Action Reference	InputValue	Expected Value	Action	Application Reference	Test Step Detail	Remarks	Reporting
▶ 1	[@ApplicationType]	Web		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
2	Current	http://localhost/R...		InvokeURL		Invoke browser w...		<input checked="" type="checkbox"/>
3			True	IMVerifyTextExist		Verify Text Exist		<input checked="" type="checkbox"/>
4	Select Role	O;2		IMListSelect		Select text O;2 in ...		<input checked="" type="checkbox"/>
5	[@OCROpt]	advance		Declare		Creating Dynami...		<input checked="" type="checkbox"/>
6		[GH];+10;right		IMGetValueFrom...		GetValueFromTe...		<input checked="" type="checkbox"/>
7				IMMouseHover		Mouseover on		<input checked="" type="checkbox"/>
8	Help			IMButtonClick		Click on Image H...		<input checked="" type="checkbox"/>
*								<input type="checkbox"/>

Thank you for your time and patience



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