

## Layers:

**Work Layer:** We can directly add Business Rules in Work Layer

**Data Layer:** We can't add Business Rules directly in Data Layer. First we need to Create Data Classes/Data Types

**Int Layer:** We can't add Business Rules directly in Int Layer. First we need to Create Int Classes

=====

## Data Model:

Property Rule:

Property is a Data Model Rule

Data model-> Property

**Property Rule is an Instance of Rule-Obj-Property**

**Work Layer & Work Classes:** Use the properties in User Interface design (( Single Value, Page & Adv Properties)

**Data Classes:** Tables -> Fields ( Single Value Properties)

**Int Classes:** Request & Response fields ( Single Value Properties)

## Property Types:

- **Single Value** : A Property can hold one value at a time
- **Page Properties** ( Single Page, Page List, Page Group): A Property can hold Multiple Properties( Reusable Properties)
- **Adv Properties**: Value List, Value Group : A Property can hold Multiple Values

## How many ways to add Property:

3 ways:

- **Data Model-Property**( Create a Property: Create & Open) - One Property ( Single Value, Page & Adv Properties)
- **Data Model-Property**( Quick Create a Property: Create & Close)- One Property ( Single Value)
- **Using Property Wizard** - Multiple Properties at a time ( But we can add only single value properties using wizard Option/ Page Properties)

## Single Value Property Parameters:

Property Name/Label: Ex: FName

Property Type: Text

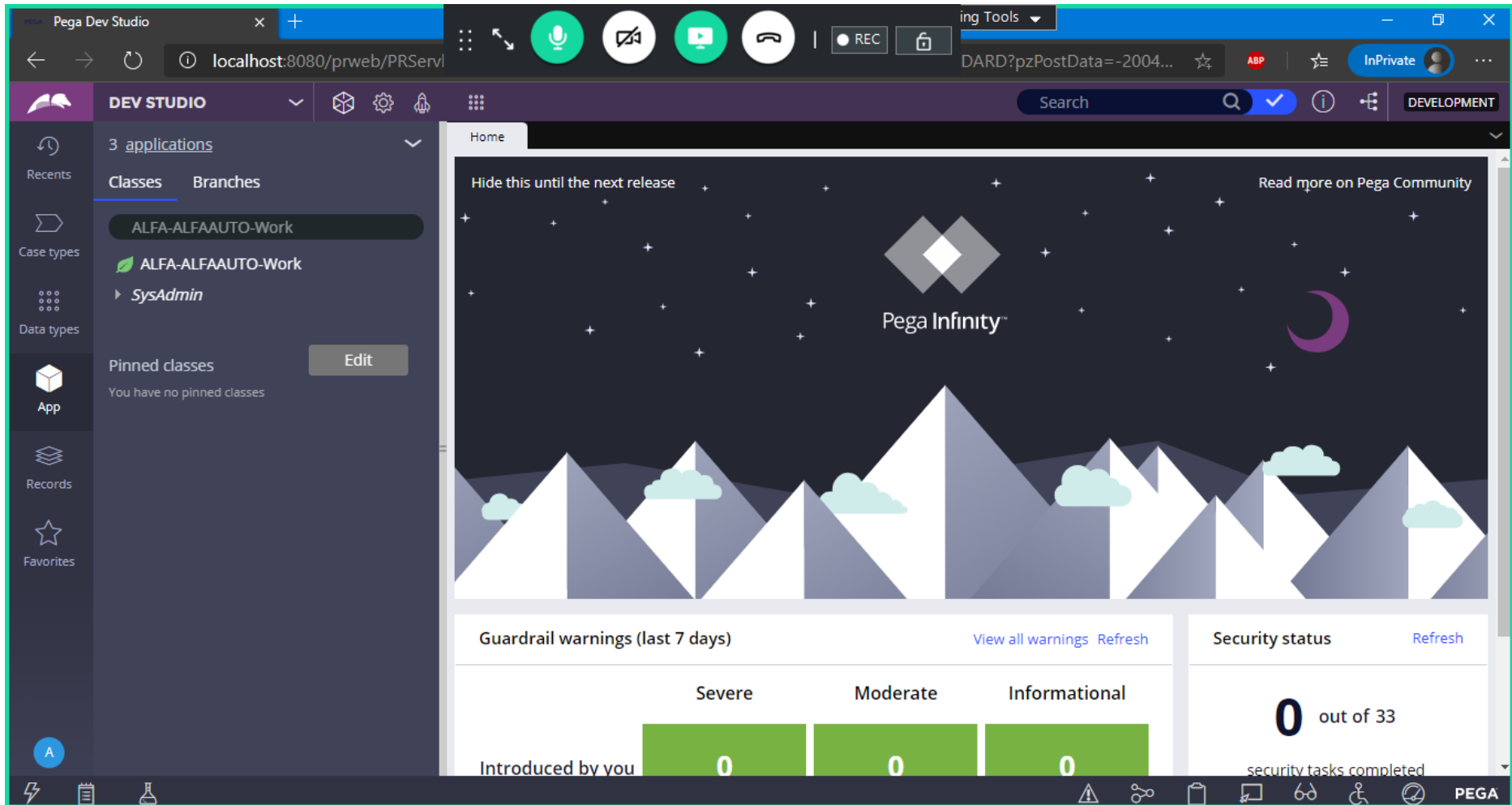
UI Control: Property Display Format & Basic Validation

Table Type/Configure Field: To add Static Records for Property ( Local List / Prompt List)

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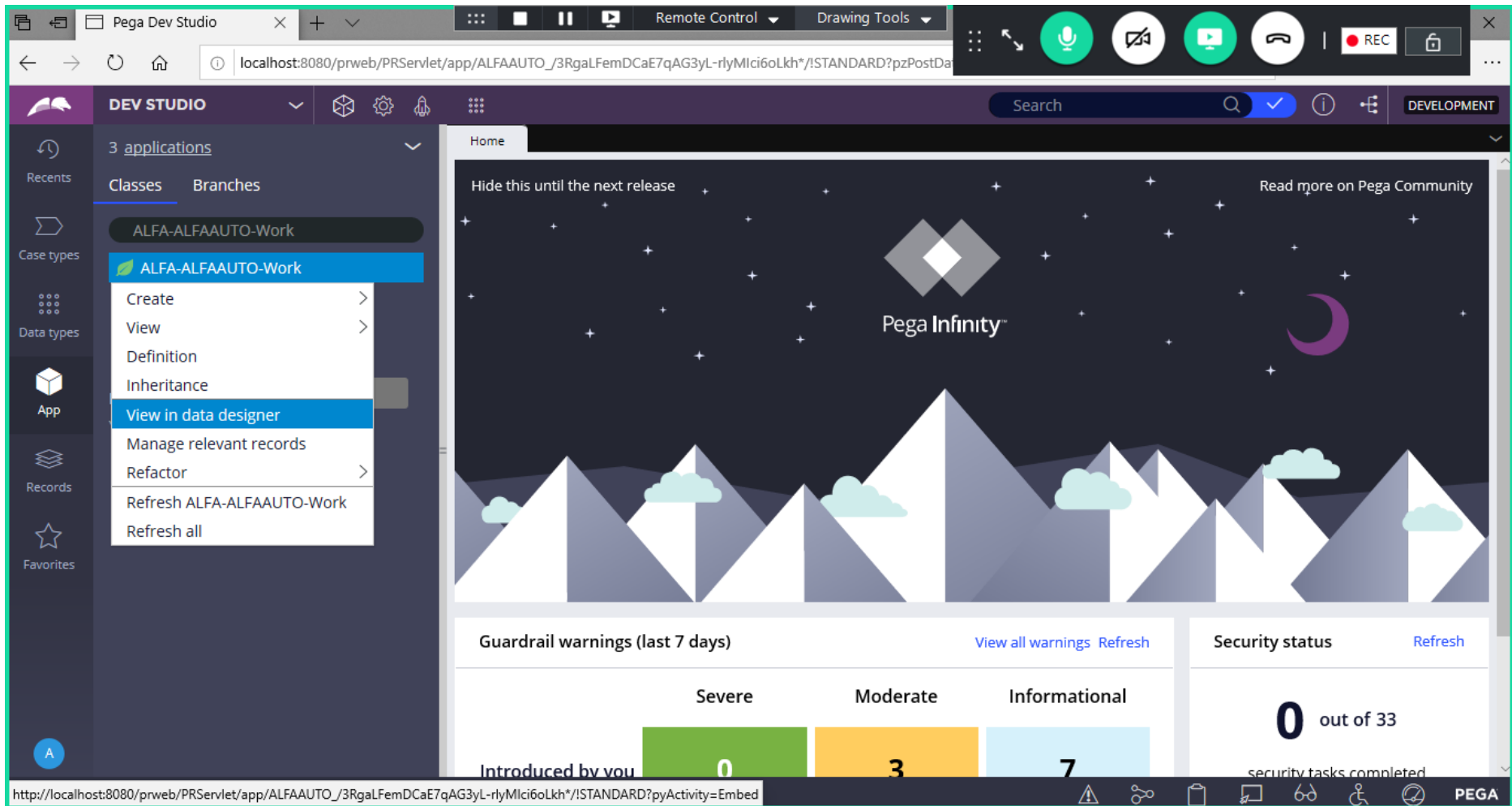
# Creating Single Value Properties Using Property Wizard:

To Create any Rule in PEGA go to App Explorer:



Till 7.4- ( Right Click on Class group -> Create Properties)

From 8 Version-> Wizard Name is **View in Data Designer/Create Properties**



Wizard will open

The screenshot shows the Pega Dev Studio interface. The browser address bar displays the URL: localhost:8080/prweb/PRServlet/app/ALFAAUTO\_3RgaLFemDCaE7qAG3yL-rlYMIci6oLkh\*/ISTANDARD?pzPostDa. The application title is 'DEV STUDIO' and the environment is 'DEVELOPMENT'. The main content area is titled 'Data Type: ALFA AUTO Insurance Application case layer' and shows the 'Data model' view. The 'Fields' section contains a table with the following data:

| Name        | ID           | Scope (applies to) | Type               | Options        |
|-------------|--------------|--------------------|--------------------|----------------|
| Case ID     | pyID         | Cover classes      | Text (single line) | Key; Read-only |
| Case status | pyStatusWork | Case               | Text (single line) | Read-only      |
| Label       | pyLabel      | Case               | Text (single line) |                |

Below the table is a '+ Add field' link. The interface also includes a search bar, a 'Filter' button, an 'Actions' dropdown, and a 'Save' button. The bottom status bar shows the PEGA logo and various system icons.

## Add Fields/Properties

The screenshot shows the Pega Dev Studio interface. The browser address bar indicates the URL: localhost:8080/prweb/PRServlet/app/ALFAAUTO\_3RgaLFemDCaE7qAG3yL-ryMlci6oLkh\*/ISTANDARD?pzPostDa. The application title is 'DEV STUDIO' and the environment is 'DEVELOPMENT'. The main content area is titled 'Fields' and contains a table of field definitions.

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key; Read-only |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

+ Add field

For Radio Buttons/ Drop downs we have to choose a Type: **Pick List**

For Country Property If you want to Give Dropdown Control set the Type as Pick List.

After Type is Selected, Configure the Pick list Values ( Click on Configure Filed)

Now Click on Configure Field

The screenshot displays the Pega Dev Studio interface for configuring a data model. The main area shows a table of fields with the following data:

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key: Read-only |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

A context menu is open over the 'Country' field, showing the following options:

- Type: Picklist
- Display as:
  - Drop-down list (highlighted)
  - Radio buttons
  - Autocomplete
- Choices: [input field] + Add choice
- Advanced: >
- OK

**Add Static Records:**



The screenshot shows the Pega Dev Studio interface. The main window displays a data model configuration for a 'Country' field. A modal dialog is open for editing the 'Drop-down list' options. The dialog shows a 'Picklist options' dropdown set to 'Local', a 'Choices' list with 'Australia' selected, and an 'OK' button.

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key; Read-only |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

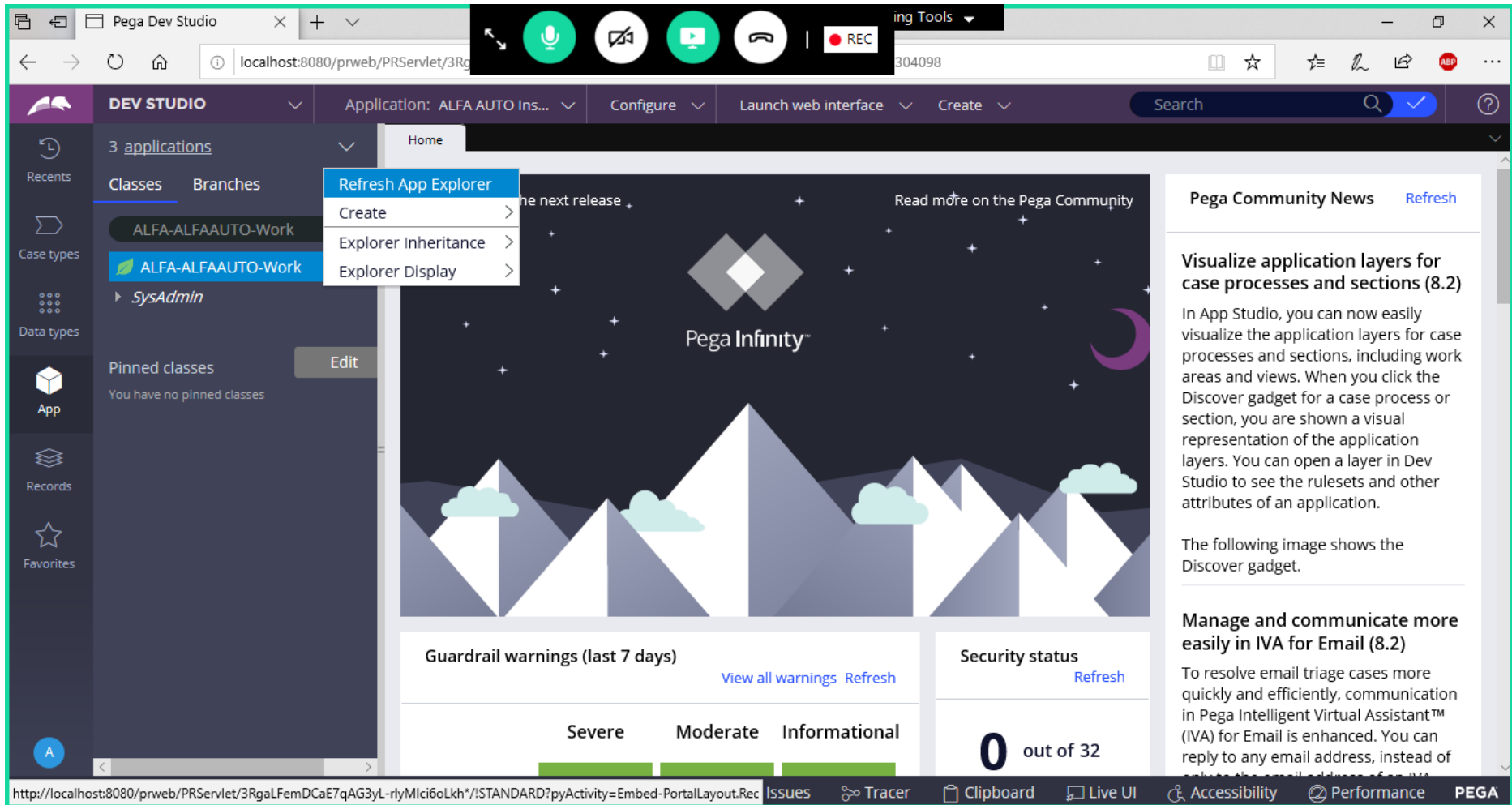
Click on OK

The screenshot displays the Pega Dev Studio interface. The browser address bar shows the URL: localhost:8080/prweb/PRServlet/app/ALFAAUTO\_3RgaLFemDCaE7qAG3yL-ryMlci6oLkh\*/ISTANDARD?pzPostDa. The application title is 'DEV STUDIO' and the environment is 'DEVELOPMENT'. The main content area shows a table of fields for the 'ALFA-AUTOAUTO...' application.

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key; Read-only |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

At the bottom of the table, there is a '+ Add field' link. The interface also includes a search bar at the top right and a sidebar on the left with navigation options like 'Home', 'Recent', 'Case type', 'Data type', 'App', 'Record', and 'Favorite'.

**Refresh Explorer & Expand Data Model to see the Properties**



## Expand Data Model

The image shows a screenshot of the Pega Dev Studio web interface. At the top, there is a browser window with the address bar showing 'localhost:8080/prweb/PRServlet/3R...'. Below the browser, the Dev Studio header includes 'DEV STUDIO', 'Application: ALFA AUTO Ins...', and navigation options like 'Configure', 'Launch web interface', and 'Create'. A search bar is also present.

The main content area is divided into several sections:

- Left Sidebar:** Contains navigation options for 'Recents', 'Classes', 'Branches', 'Case types', 'Data types', 'App', 'Records', and 'Favorites'. Under 'Classes', 'ALFA-ALFAAUTO-Work' is selected, with sub-items 'Data Model' and 'SysAdmin'. Under 'App', it says 'Pinned classes' and 'You have no pinned classes'.
- Home Banner:** Features the Pega Infinity logo and a night landscape illustration. Text includes 'Hide this until the next release', 'Read more on the Pega Community', and 'Pega Infinity'.
- Guardrail warnings (last 7 days):** A section with a 'View all warnings Refresh' link. Below it are filters for 'Severe', 'Moderate', and 'Informational'.
- Security status:** A section with a 'Refresh' link and a large '0' followed by 'out of 32'.
- Pega Community News:** A sidebar on the right with a 'Refresh' link. It contains two articles:
  - Visualize application layers for case processes and sections (8.2)**: A text-based article explaining how to visualize application layers in App Studio.
  - Manage and communicate more easily in IVA for Email (8.2)**: A text-based article about enhancing email triage in Pega IVA.

At the bottom, there is a footer with various utility icons: Agile Workbench, Current work, Scenario Testing, Issues, Tracer, Clipboard, Live UI, Accessibility, Performance, and the PEGA logo.

The screenshot displays the Pega Dev Studio interface. The top navigation bar includes 'DEV STUDIO', 'Application: ALFA AUTO Ins...', 'Configure', 'Launch web interface', and 'Create'. A search bar is located on the right. The left sidebar shows a navigation tree with '3 applications', 'Classes', and 'Branches'. Under 'Classes', 'ALFA-ALFAAUTO-Work' is selected, and its 'Data Model' is expanded to show properties: Age, Country, EmailID, FName, LName, and PhoneNo. Below this, 'SysAdmin' is listed under 'Pinned classes'. The main workspace shows a 'Home' page with a 'Pega Infinity' banner, a 'Guardrail warnings (last 7 days)' widget showing 0 out of 32 warnings, and a 'Security status' widget showing 0 out of 32. A 'Pega Community News' sidebar on the right contains two articles: 'Visualize application layers for case processes and sections (8.2)' and 'Manage and communicate more easily in IVA for Email (8.2)'. The bottom status bar includes 'Agile Workbench', 'Current work', 'Scenario Testing', 'Issues', 'Tracer', 'Clipboard', 'Live UI', 'Accessibility', 'Performance', and the PEGA logo.

## Creating Properties Under Data Model Category using Property Rule:

The screenshot displays the Pega Dev Studio interface. On the left sidebar, the 'Data Model' category is selected, and a context menu is open with 'Property' highlighted. The main workspace shows a dashboard with a 'Pega Infinity' logo and a bar chart titled 'Introduced by you' showing 0 Severe, 3 Moderate, and 7 Informational warnings. A 'Security status' widget shows 0 out of 33 security tasks completed.

**Navigation Menu:**

- DEV STUDIO
- 3 applications
- Classes
- Branches
- ALFA-ALFAAUTO-Work
- ALFA-ALFAAUTO-Work
- Data Model
- Create
- View
- Create properties
- Pinned classes
- Records
- Favorites

**Context Menu (Data Model):**

- Association
- Data Flow
- Data Page
- Data Set
- Data Transform
- Edit Input
- Edit Validate
- External Data Flow
- Field Value
- Property**
- Property Alias
- Property Qualifier

**Dashboard Widgets:**

- Hide this until the next release
- Read more on Pega Community
- Pega Infinity
- Mail warnings (last 7 days)
- View all warnings Refresh
- Security status Refresh
- Introduced by you
- Severe: 0
- Moderate: 3
- Informational: 7
- 0 out of 33 security tasks completed

Pega Dev Studio

localhost:8080/prweb/PRServlet/app/ALFAAUTO\_/3RgaLFemDCaE7qAG3yL-rlyMici6oLkh\*/!STANDARD?pzPostDa

DEV STUDIO

3 applications

Recents

Classes Branches

ALFA-ALFAAUTO-Work

Case types

ALFA-ALFAAUTO-Work

Data Model

SysAdmin

Technical

Data types

App

Pinned classes

You have no pinned classes

Records

Favorites

Home New

### Create Property

Cancel Create and open

#### Property Record Configuration

Label\* Identifier

Gender Gender Edit

A short description or title for this record

[View additional configuration options](#)

#### Context

ALFA AUTO Insurance Application

ALFA Insurance Application

UI Kit

Pega Platform

Apply to\*

ALFA-ALFAAUTO-Work

[View all](#)

Add to ruleset\*

ALFAAUTO 01-01-01

#### Current work item

PEGA

Click on Create & Open

The screenshot displays the Pega Dev Studio interface. At the top, a browser window shows the URL `localhost:8080/prweb/PRServlet/app/ALFAAUTO_3RgaLFemDCaE7qAG3yL-ryMlci6oLkh*/ISTANDARD?pzPostDa`. The application header includes the 'DEV STUDIO' logo, a search bar, and a 'DEVELOPMENT' environment indicator. The main workspace is titled 'Edit Property: Gender [Available]' with a breadcrumb path 'CL: ALFA-ALFAAUTO-Work > ID: Gender > RS: ALFAAUTO:01-01-01'. Below the title, there are tabs for 'General', 'Advanced', 'Specifications', and 'History'. The 'General' tab is active, showing the following configuration sections:

- Property type:** Text (change)
- Data access:** Manual (selected), Automatic reference to class instance (linked). A note states: 'At run time, the user adds data to this property through the UI. Data transforms and other rules may be required to support this workflow.'
- Display and validation:** UI Control: pxTextInput; Parameters; Table type: None.

The left sidebar contains navigation options: Recents, Case types, Data types, App, Records, and Favorites. The bottom status bar includes various utility icons and the PEGA logo.



Type: Text

UI Control: **pxRadioButtons**

The screenshot displays the Pega Dev Studio interface for editing a property named 'Gender'. The breadcrumb trail is 'CL: ALFA-ALFAAUTO-Work > ID: Gender > RS: ALFAAUTO:01-01-01'. The 'General' tab is active, showing the following configuration:

- Property type:** Text (change)
- Data access:** Manual (selected). Description: At run time, the user adds data to this property through the UI. Data transforms and other rules may be required to support this workflow.
- Display and validation:**
  - UI Control:** pxRadioButtons
  - Parameters:** (empty)
  - Table type:** None

The interface includes a top navigation bar with 'DEV STUDIO', a search bar, and a 'DEVELOPMENT' environment indicator. A left sidebar contains navigation options like 'Recents', 'Case types', 'Data types', 'App', 'Records', and 'Favorites'. A bottom status bar shows system icons and the PEGA logo.

## TableType: Select Local List & Add Table Values

The screenshot shows the Pega Dev Studio interface for editing a property named "Gender [Available]". The "Data access" section is set to "Manual". Under "Display and validation", the "UI Control" is set to "pxRadioButtons" and the "Table type" is set to "Local List". The "Table values" section contains two entries: "1 Male" and "2 Female", each with a delete icon. A plus icon is visible below the table values.

DEV STUDIO

Home New

Edit Property: Gender [Available] Actions Save

Data access

Manual At run time, the user adds data to this property through the UI. Data transforms and other rules may be required to support this workflow.

Automatic reference to class instance (linked)

Display and validation

UI Control

pxRadioButtons

Parameters

Table type

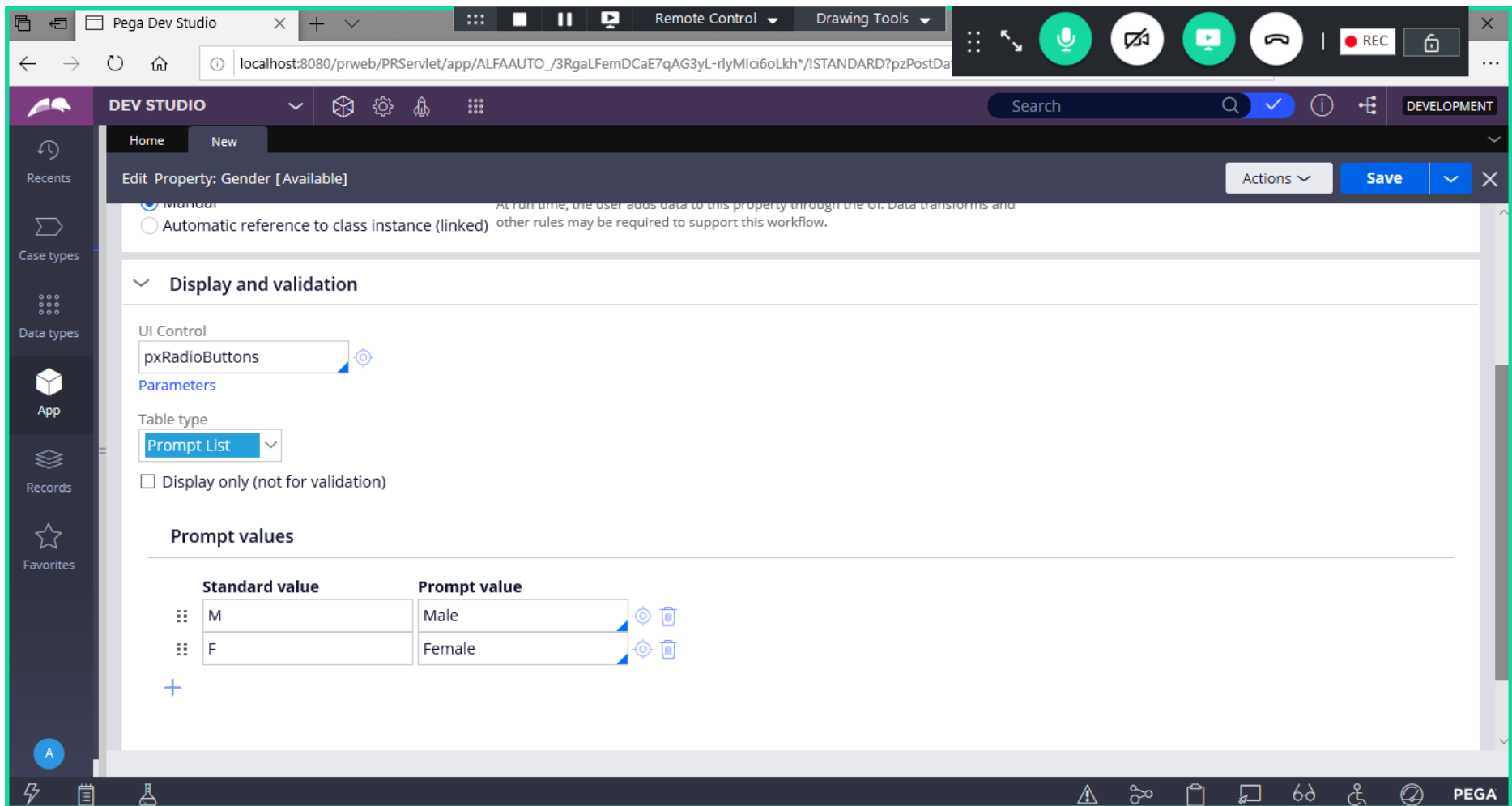
Local List

Table values

|   |        |   |
|---|--------|---|
| 1 | Male   | ✕ |
| 2 | Female | ✕ |

+

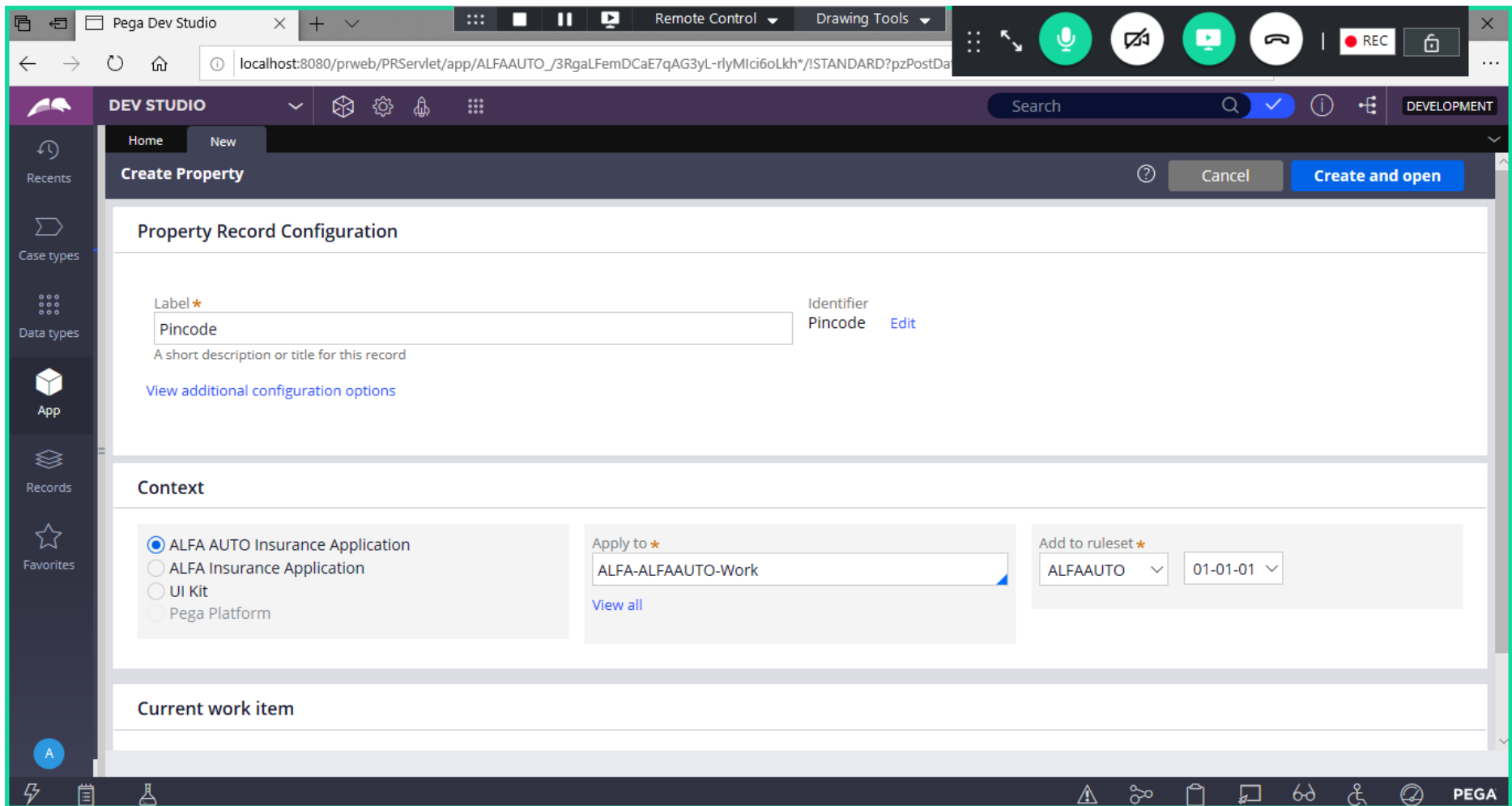
Or Use PromptList under table type:



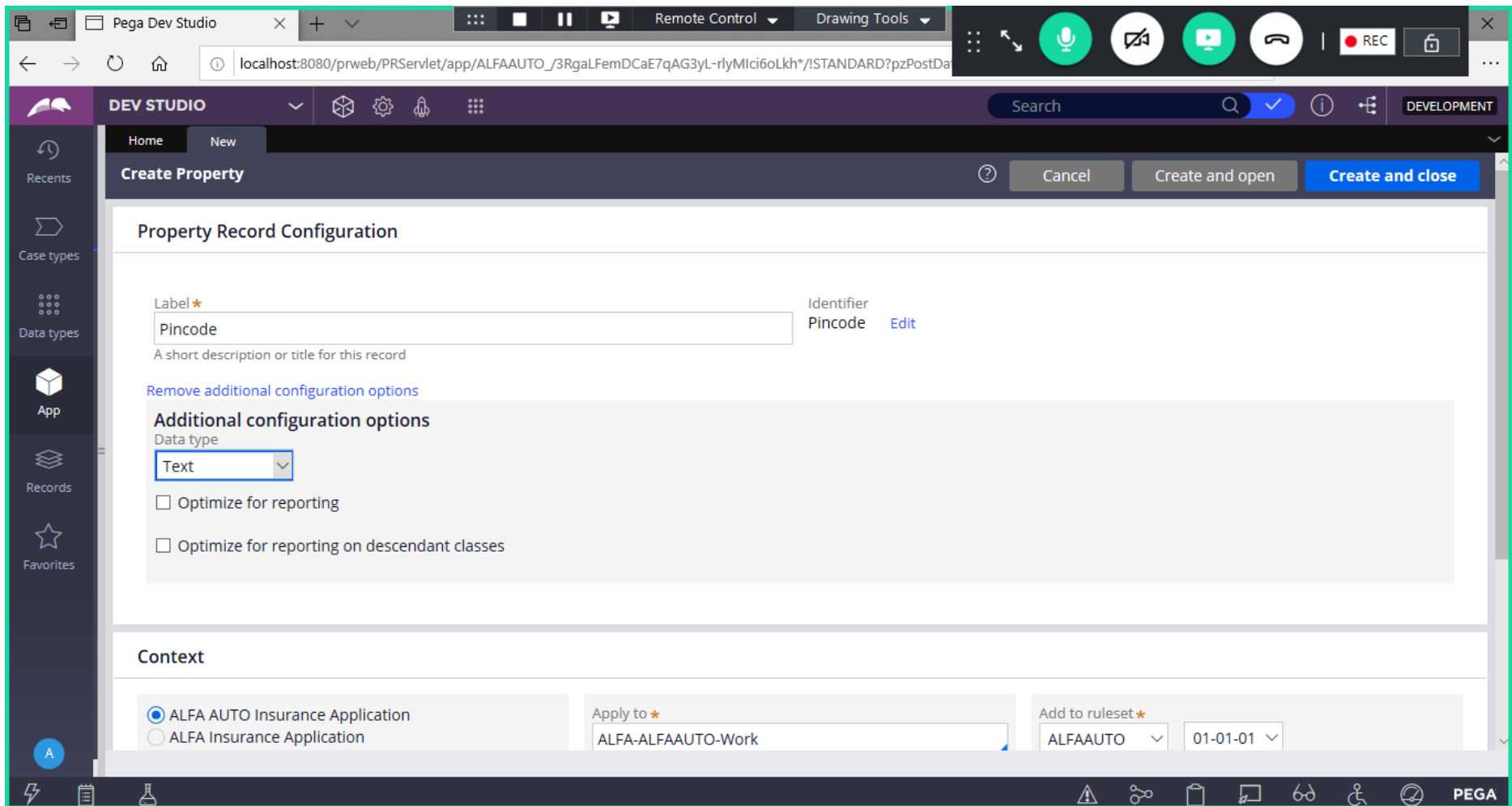
**Save Property**

## Add Pincode Using Quick Create Option:

The screenshot displays the Pega Dev Studio web interface. The browser address bar shows the URL: `localhost:9090/prweb/PRServlet/3RgaLFemDCaE7qAG3yL-ryMIci6oLkh*/ISTANDARD?pzPostData=872657470`. The application title is "ALFA AUTO Ins...". The left sidebar contains navigation options: Recents, Classes, Branches, Case types, Data types, App, Records, and Favorites. The "Classes" section is expanded to show "ALFA-ALFAAUTO-Work" and "Data Model". A context menu is open over "Data Model", listing options: Create, View, Create properties, Data Flow, Data Page, Data Set, Data Transform, Edit Input, Edit Validate, External Data Flow, Field Value, Property (highlighted), Property Alias, and Property Qualifier. The main workspace shows a "Home" page with a "Pega Infinity" logo and a "Discover gadget" section. The bottom status bar includes "Agile Workbench", "Current work", "Scenario Testing", "Issues", "Tracer", "Clipboard", "Live UI", "Accessibility", "Performance", and the PEGA logo.



Now Below Label Click on View Additional Configuration Options Link



**No Need to Change type here.**

**Now Click on Create & Close Button, After Clicking on Button, Property will be created & tab will be closed.**

## Add State & City Properties using Drop down & Add static Records

Open Property Wizard:

The screenshot displays the Pega Dev Studio interface. On the left, a navigation pane shows the 'Data Model' menu expanded, with 'Create properties' selected. The main workspace shows the 'Home' dashboard with a 'Guardrail warnings (last 7 days)' section. This section contains a bar chart with three categories: Severe (0), Moderate (3), and Informational (7). Below the chart, it states 'Introduced by you'. To the right, the 'Security status' section shows '0 out of 33 security tasks completed'. The top of the interface includes a search bar and a 'DEVELOPMENT' environment indicator. The browser address bar shows the URL: `http://localhost:8080/prweb/PRServlet/app/ALFAAUTO_3RgaLFemDCaE7qAG3yL-rlYMici6oLkh*/!STANDARD?pyActivity=Embed`.

| Severity      | Count |
|---------------|-------|
| Severe        | 0     |
| Moderate      | 3     |
| Informational | 7     |

### Add State Property:

The screenshot shows the Pega Dev Studio interface. The main area displays a table of fields for the 'ALFA-AUTOAUTO...' application. A context menu is open over the 'State' field, showing options for 'Type', 'Picklist', 'Display as', 'Picklist options', and 'Choices'. The 'Display as' dropdown is set to 'Drop-down list'. The 'Picklist options' dropdown is set to 'Local'. The 'Choices' list includes 'Select State', 'TS', 'KA', and 'TN', with 'TN' selected. The 'State' field in the table below has a 'Picklist' type and 'Drop-down list' options.

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key; Read-on   |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down li   |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| State       | State        | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

### Add City Field:



The screenshot displays the Pega Dev Studio interface. The main area shows a table of data model properties. A 'Picklist' configuration overlay is open for the 'City' property, showing options like 'Local', 'Select City', 'Hyderabad', 'Bangalore', and 'Chennai'. The 'Bangalore' option is currently selected.

| Name        | ID           | Scope (applies to)                         | Type               | Options        |
|-------------|--------------|--|--------------------|----------------|
| Age         | Age          | ALFA AUTO Insurance Application case layer | Integer            |                |
| Case ID     | pyID         | Cover classes                              | Text (single line) | Key; Read-on   |
| Case status | pyStatusWork | Case                                       | Text (single line) | Read-only      |
| Country     | Country      | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down li   |
| EmailID     | EmailID      | ALFA AUTO Insurance Application case layer | Email              |                |
| FName       | FName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| Label       | pyLabel      | Case                                       | Text (single line) |                |
| LName       | LName        | ALFA AUTO Insurance Application case layer | Text (single line) |                |
| PhoneNo     | PhoneNo      | ALFA AUTO Insurance Application case layer | Phone              |                |
| State       | State        | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |
| City        | City         | ALFA AUTO Insurance Application case layer | Picklist           | Drop-down list |

After Creating Properties, to view all properties under Data Model , Clcik on Refresh App Explorer

Pega Dev Studio

localhost:8080/prweb/PRServlet/app/ALFAAUTO\_3RgaLFemDCaE7qAG3yL-rlyMlci6oLkh\*/ISTANDARD?pzPostDa

DEV STUDIO

3 applications

Classes Branches

ALFA-ALFAAUTO-Work

ALFA-ALFAAUTO-Work

Data Model

Property

- Age
- City
- Country
- EmailID
- FName
- Gender
- LName
- PhoneNo
- Pincode
- Salary
- State

SysAdmin

Technical

Home

+Hide this until the next release

Read more on Pega Community

Pega Infinity™

Guardrail warnings (last 7 days) [View all warnings](#) [Refresh](#)

| Severity      | Count |
|---------------|-------|
| Severe        | 0     |
| Moderate      | 3     |
| Informational | 7     |

Security status [Refresh](#)

0 out of 33 security tasks completed

PEGA