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# Joget DX 8

# Permission Control



## **Prerequisites**

 General understanding of all major Joget components (i.e. Process, Form, List and UI)

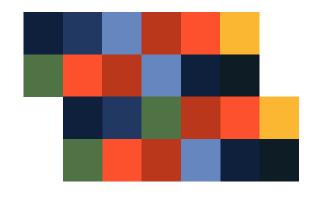


#### Content

1. Application Permission Control







# Chapter 1 Application Permission Control



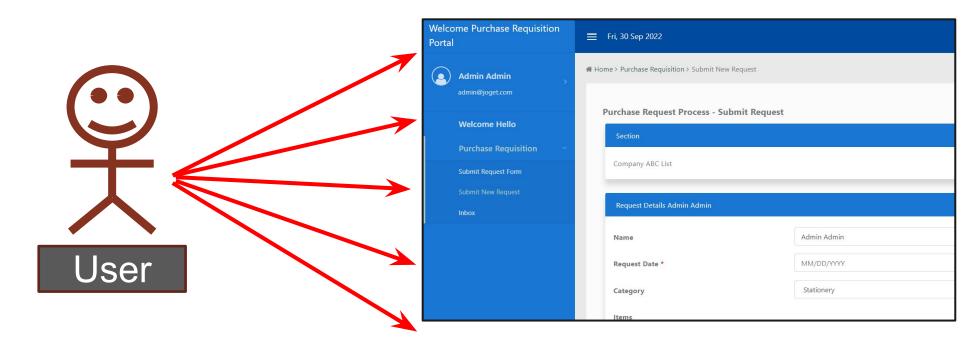
#### Introduction

 Permission Control is used to exert control and manage access to various components in a developed Joget App.



# Reviewing Various Components With Potential Access Control

- How would a user access the app?
- What can a user do after accessing the app?
- · List down what the user can explicitly do within the app.





# 4 Categories

- Process
- Form
- UI
- List



# 8 Permission Layers

- Process
  - Process Start Whitelist
- Form
  - Form
  - Form Section
  - Form Element
  - List
    - Action/Column/Filter Element
- UI
  - UI
  - Ul Category
  - Ul Menu



#### **Process Start Whitelist**

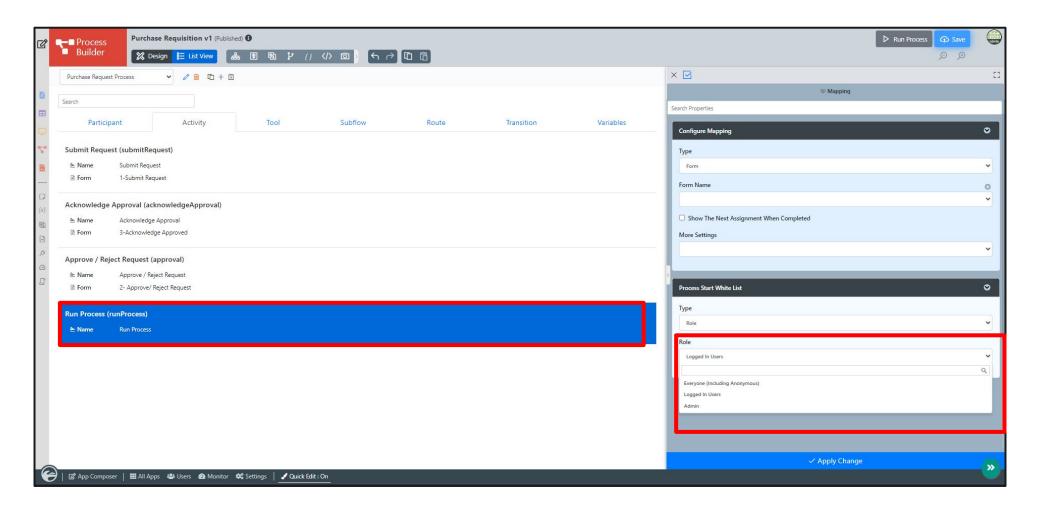
- Controls on who can start/run the Process.
- Available in each Process as shown in slide 10

By <u>default</u>, this whitelist is set to <u>admin role</u> only, for safety purposes.

Remember to map a participant / role before publishing to production.



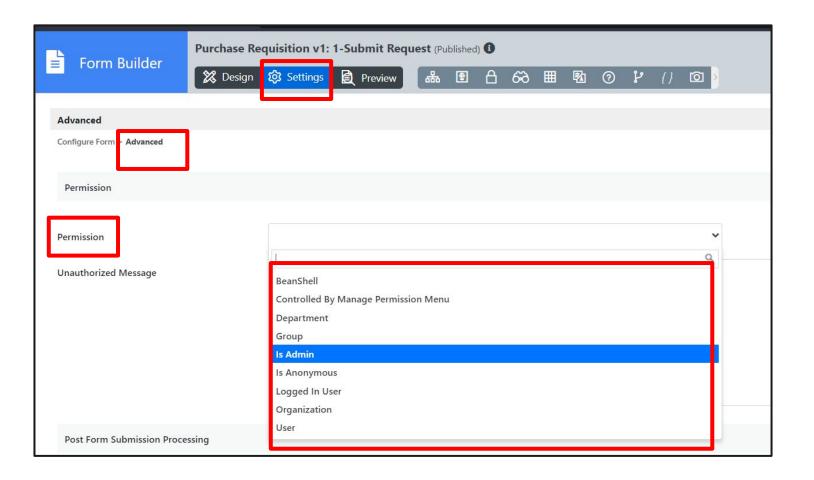
#### **Process Start Whitelist**





#### **Form**

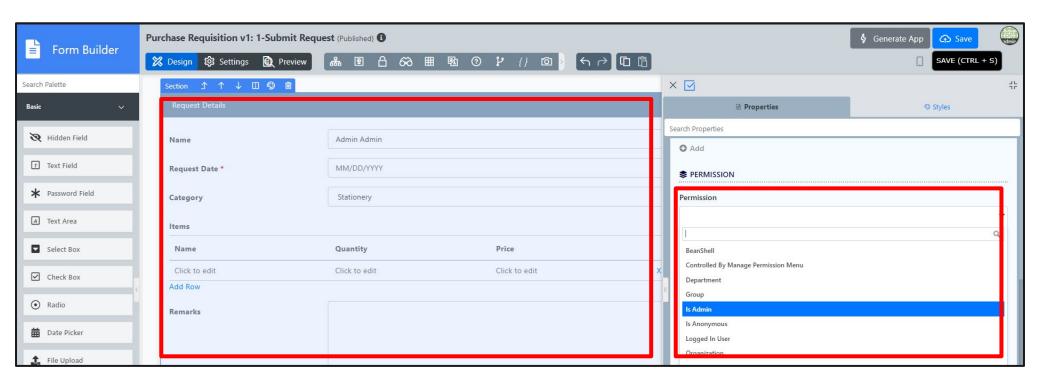
Controls on who can see the form.





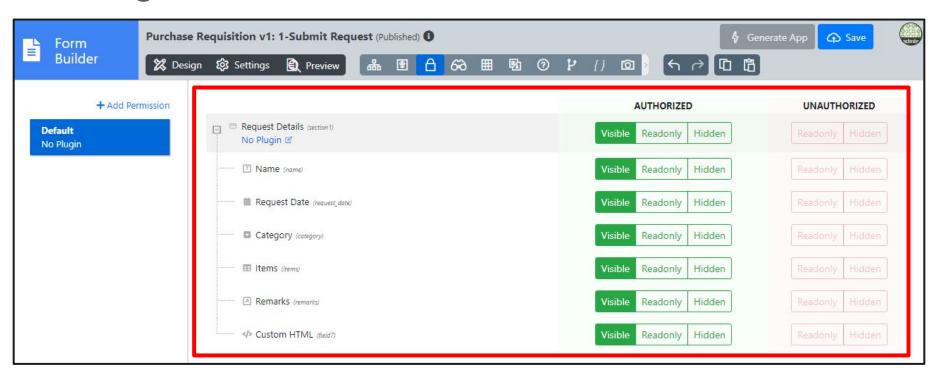
#### **Form Section**

Controls on who can see the form section.



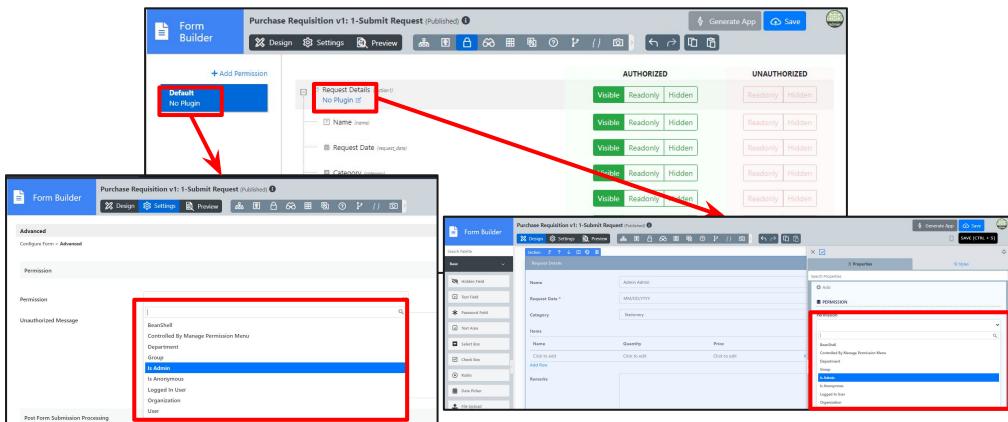


Fine grain control over each form element.





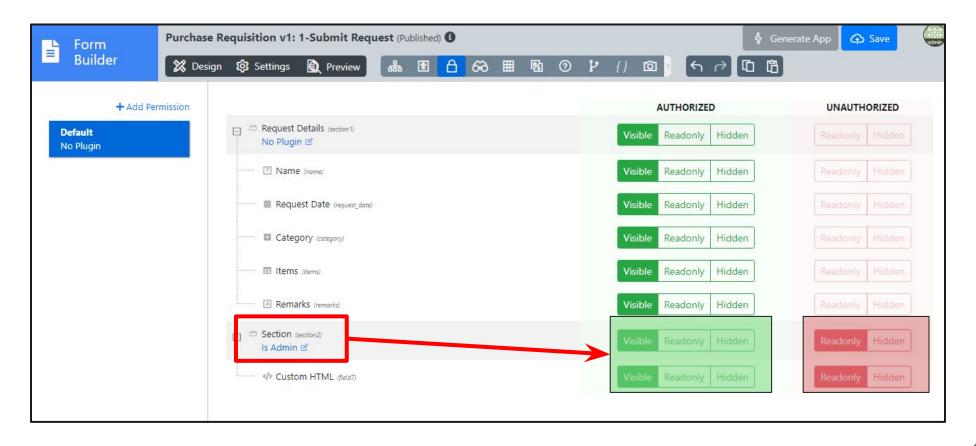
 Manages form and form section permission on Default permission.



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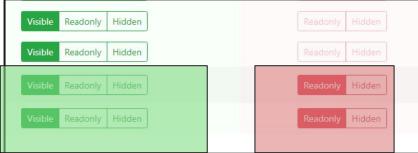
 When form section permission is set, unauthorized section will be enabled.





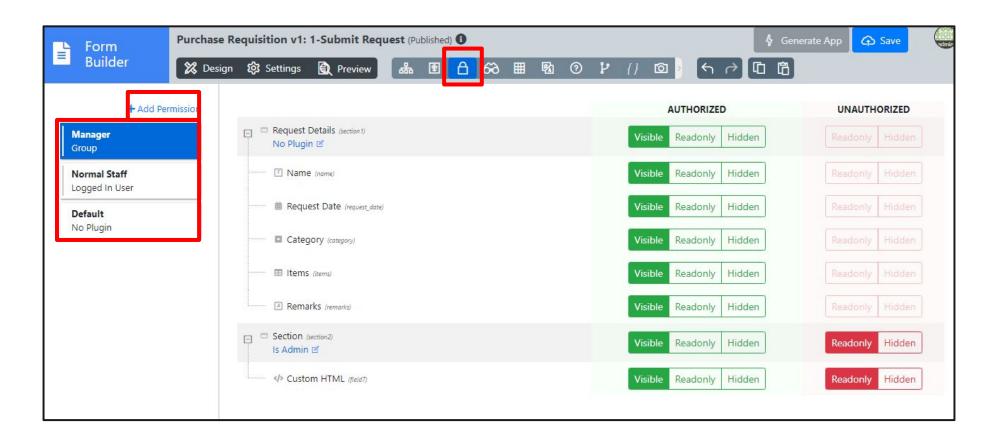
 This is same as Form Section > Edit > Show as Readonly when No Permission? but with granular field level control.





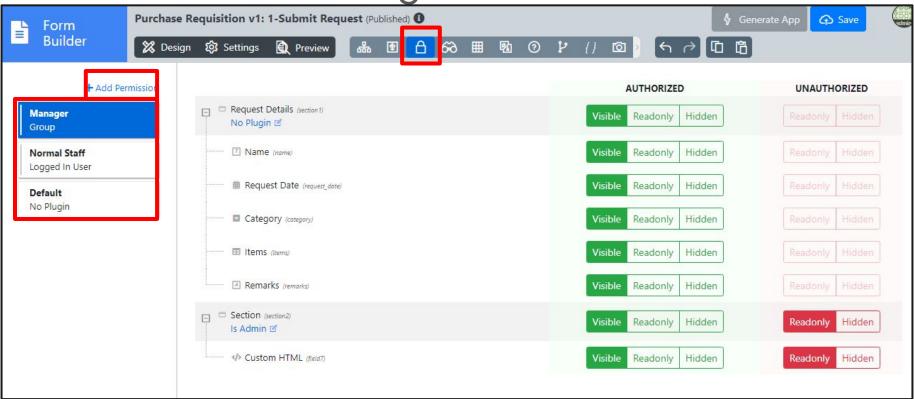


Additional permissions can be set too.



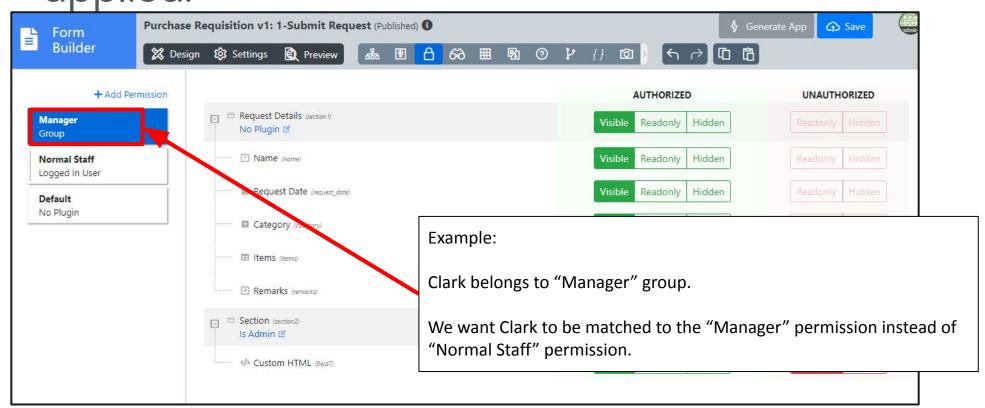


 Each with its set of form, form section, and form element configurations.





 Permission with highest privilege should be set first as the first matching permission will be applied.





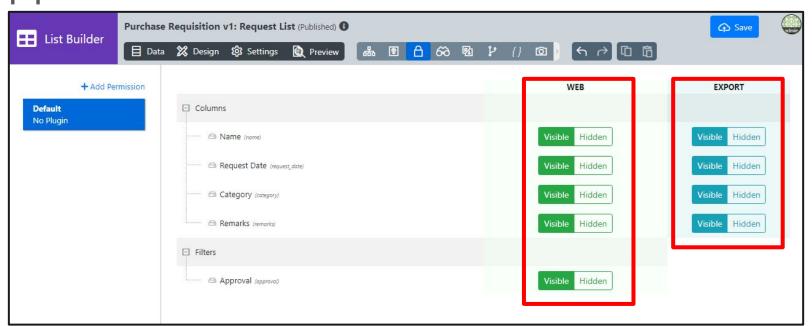
- For each Permission rule, additional permission layer can be set at the Section level
- You can set whether read-only or hidden under Unauthorized column when section level permission is added

	AUTHORIZED	UNAUTHORIZED
Request Details (section 1)  No Plugin 🗹	Visible Readonly Hidden	Readonly Hidden
── ☑ Name (name)	Visible Readonly Hidden	Readonly Hidden
Request Date (request_date)	Visible Readonly Hidden	Readonly Hidden
Category (category)	Visible Readonly Hidden	Readonly Hidden
⊞ Items (items)	Visible Readonly Hidden	Readonly Hidden
Remarks (remarks)	Visible Readonly Hidden	Readonly Hidden
☐ Section (section2) Is Admin ☑	Visible Readonly Hidden	Readonly Hidden
← Custom HTML (field7)	Visible Readonly Hidden	Readonly Hidden



#### **List Advanced Tools Permission**

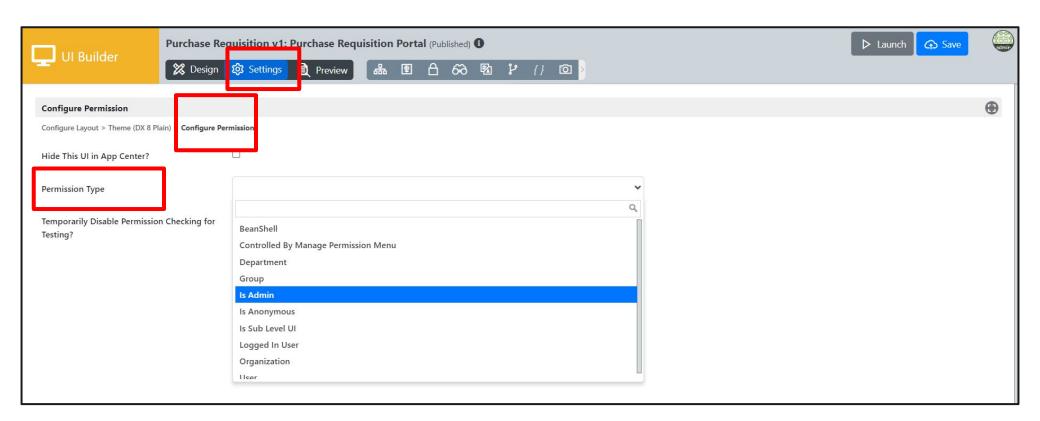
- Controls on who can see the List column, List filter and List action elements.
- Permission with highest privilege should be set first as the first matching permission will be applied.





#### UI

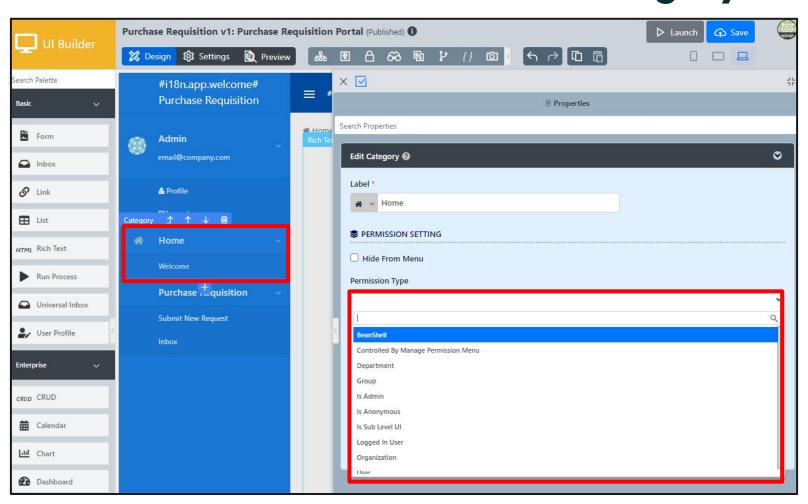
· Controls on who can access the UI.





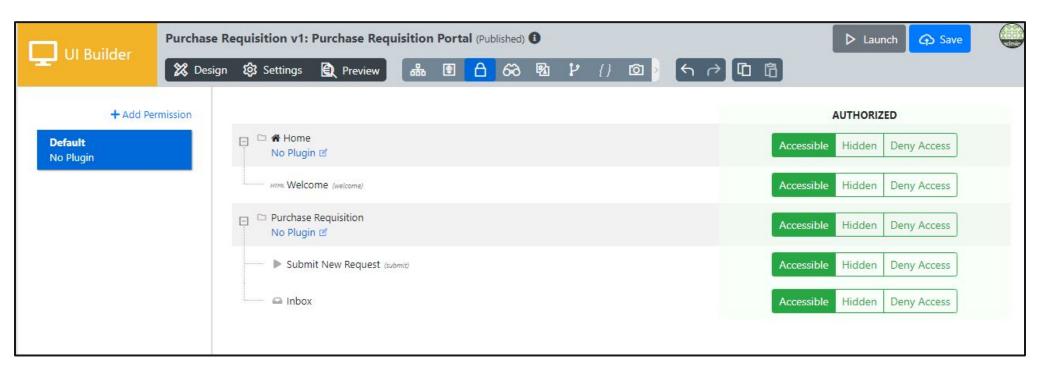
### **UI Category**

Controls on who can see the UI category.



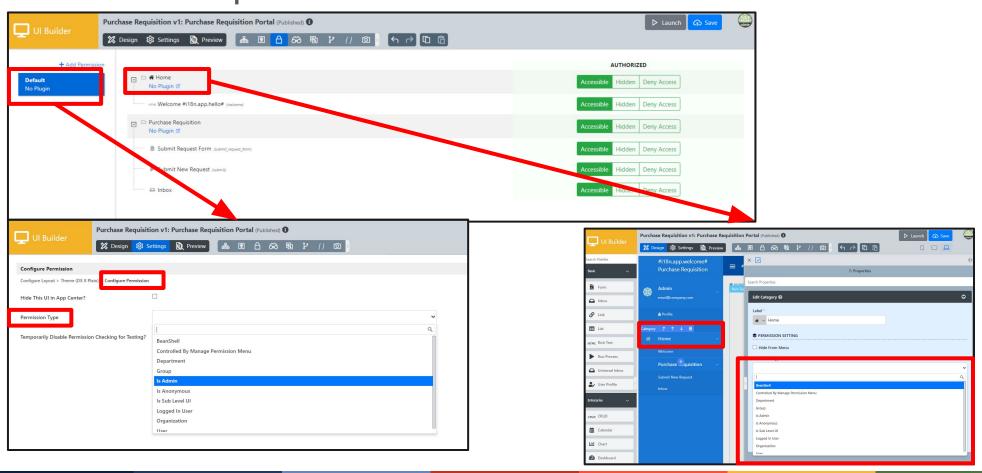


• Fine grain control over each **UI menu**.



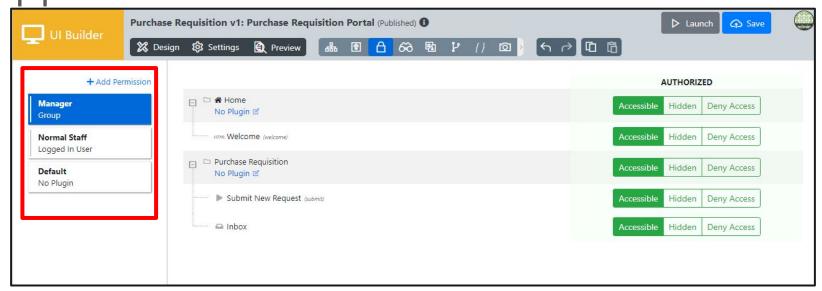


 Manages UI and UI category permission on Default permission.





- Additional permissions can be set with its own set of UI, UI category, and UI menu configurations.
- Permission with highest privilege should be set first as the first matching permission will be applied.





 For each Permission set, additional permission layer can be set at the UI Category

	AUTHORIZED	
☐ <b>%</b> Home Is Admin ☑	Accessible Hidden Deny Access	
нтм. Welcome (welcome)	Accessible Hidden Deny Access	
□ Purchase Requisition No Plugin	Accessible Hidden Deny Access	
Submit New Request (submit)	Accessible Hidden Deny Access	
□ Inbox	Accessible Hidden Deny Access	

**Joget** 

# Typical Permission Control Precedence

- 1. UI (top)
- 2. UI Category
- 3. Ul Menu (i.e. List, Run Process, Form)
  - 1. List Column / Action / Filter
    - l. Run Process

- 1. Form
- 2. Form Section
- 3. Form Element

# Georget Typical Permission Control **Precedence**

	Example: Form Menu	Example: Run Process Menu	Example: List / CRUD Menu
UI Level			
UI Category Level			
UI Menu Level	Form	Run Process	List
		Process Start Whitelist	List Column / Action / Filter
Form Level	Form	Form	Form
Form Section Level	Form Section	Form Section	Form Section
Form Element Level	Form Element	Form Element	Form Element



#### **Exercise 1**

- Modify your App in such a way that:-
  - Anonymous user will not be able to see anything except for the landing page "Home".
  - Only users from the "Managers" group can see the "List All" menu item.

Tip: A group may / may not belong to an organization.



#### **Materials**

Completed App with the optional exercises can be obtained from the file 10.1.jwa.



#### **Discussion**

 What would you want anonymous users to see when they visit the App Center?
 Should all the apps be made secure at the first place?



#### More...

Visit...
 <a href="https://dev.joget.org/community/display/DX8/Permis">https://dev.joget.org/community/display/DX8/Permis</a>
sion+Control

...for list of permission plugins and up-to-date documentation.



#### **Module Review**

1. Application Permission Control



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