

Joget DX

Designing Your First Userview

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Prerequisites

Created Process, Form, and Datalist.



Content

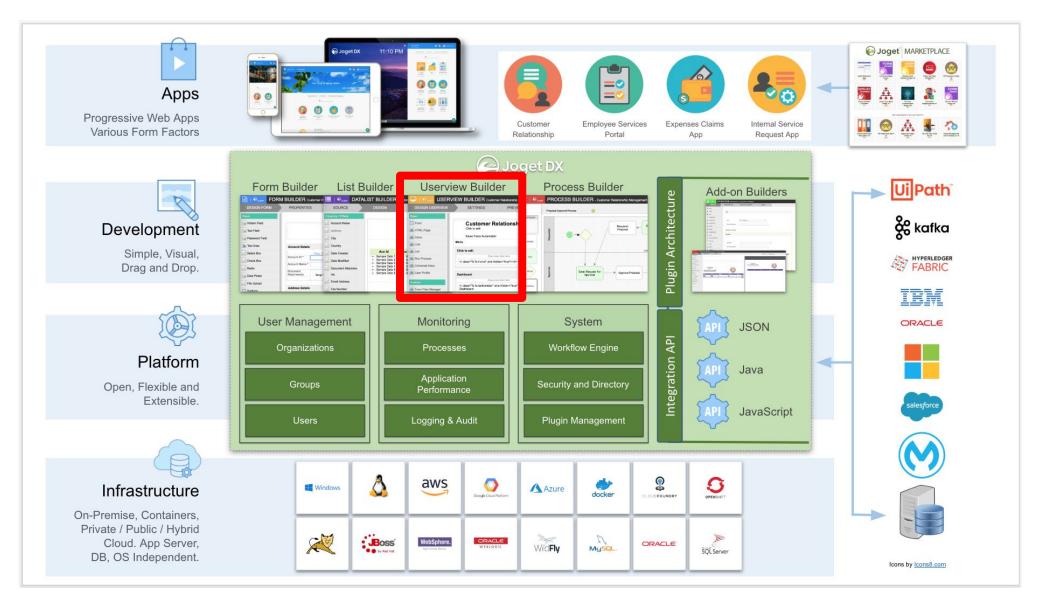
- 1. Introduction to Userview Builder
- 2. Designing Your First Userview
- 3. Introduction to PWA



Chapter 1

Introduction to Userview Builder

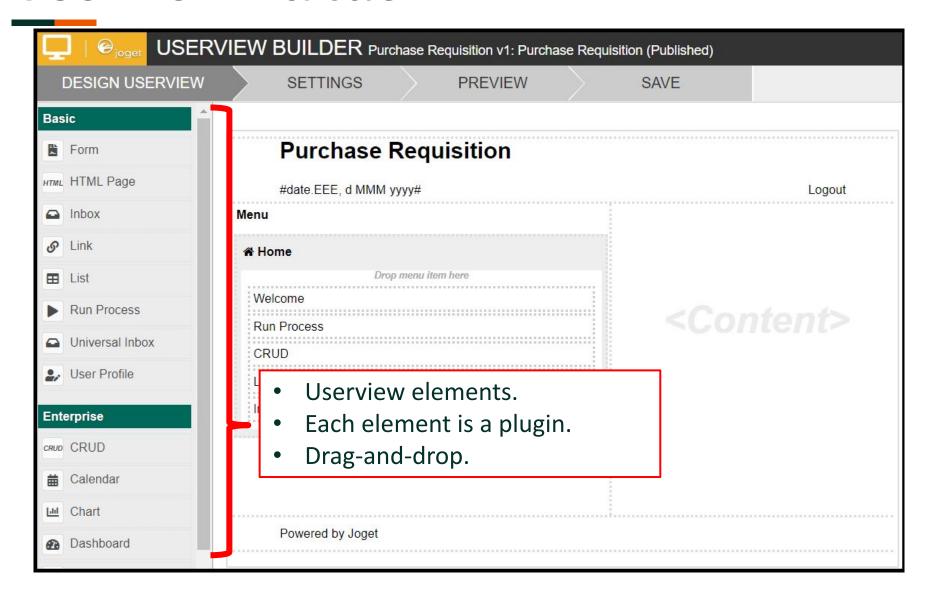






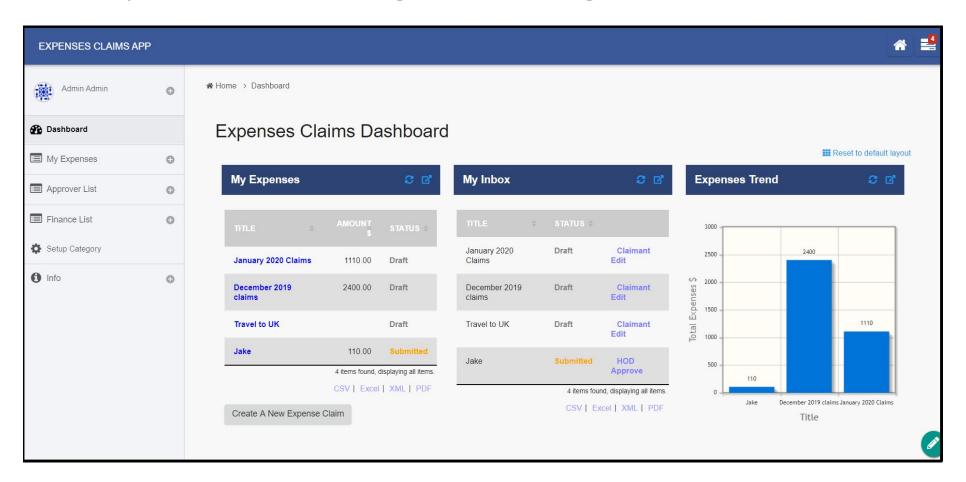
- Application front-end interface builder.
- Serves as the wrapper for forms, processes, datalists.
- Extensible functionalities through Joget's plugin architecture.





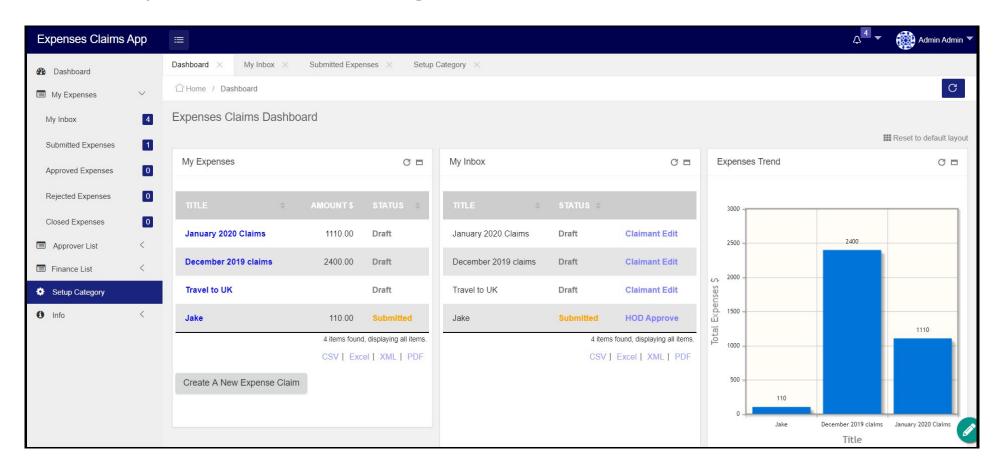


• Sample Userview using the **DX Progressive** theme



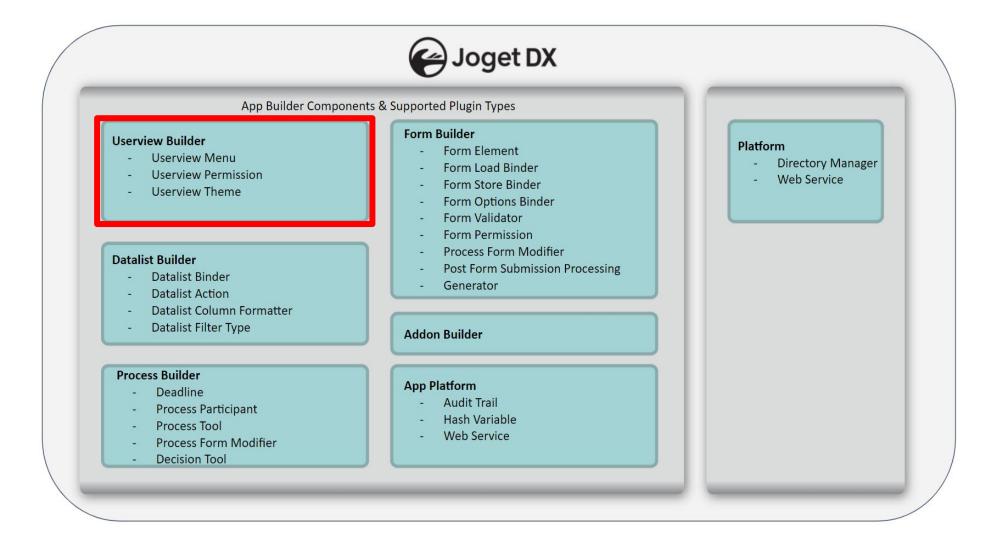


Sample Userview using the DX X-Admin theme





Plugin Types





Chapter Review

- General understanding of the Userview Builder and its functionality.
- General understanding on its elements and its extensibility capability.



Chapter 2

Designing Your First Userview

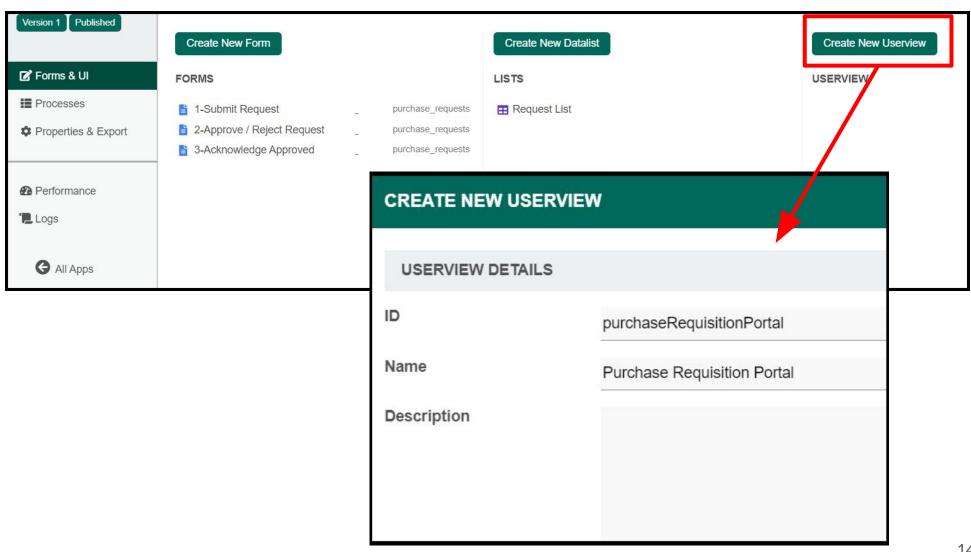


Before You Continue

- This chapter serves more or less a recap of what we have learnt previously in
 - Designing your First Process
 - Designing your First Form
 - Designing your First Datalist



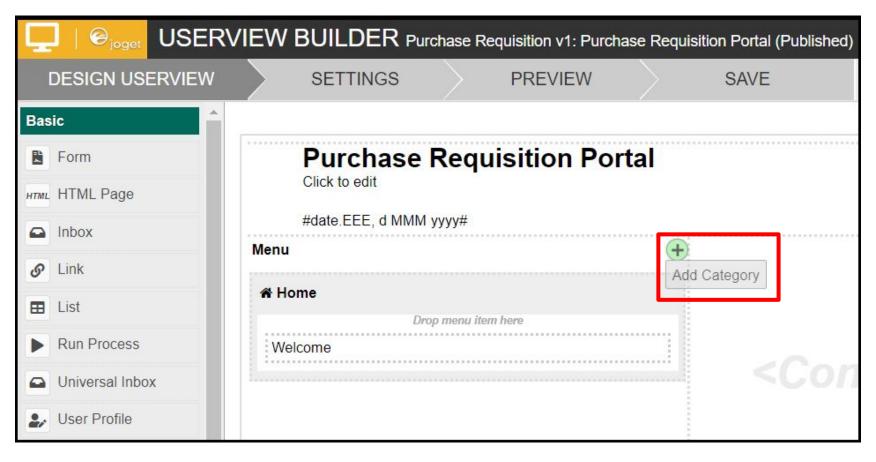
Create New Userview





Userview Category

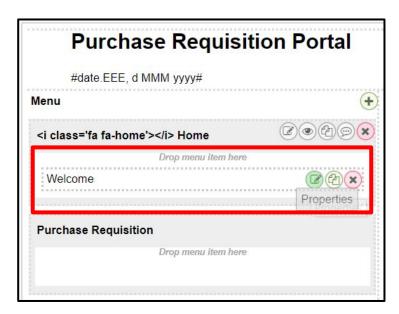
- Items are organized by Category.
- Add 1 new category Purchase Requisition





HTML Page As the First Item

- When the **Userview** is loaded, the first available (and permissible) item will be loaded automatically.
- HTML Page is recommended as the first menu item, to serve as the landing page.



- It will be automatically added when a new Userview is created.
- You may edit as needed by clicking on Properties while hovering over it.
- Reference: http://dev.joget.org/community/display/DX7/HTML+Page



Run Process Menu

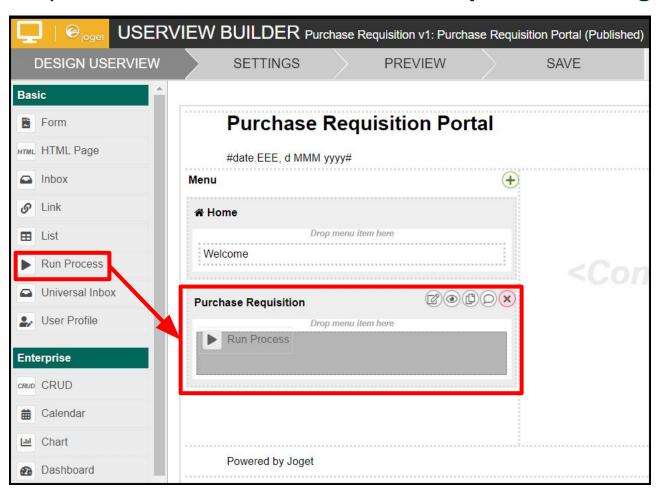
- Run Process enables one to start a process instance from the Userview.
- Reference:

http://dev.joget.org/community/display/DX7/Run+Process+Menu



Add Run Process Into Userview

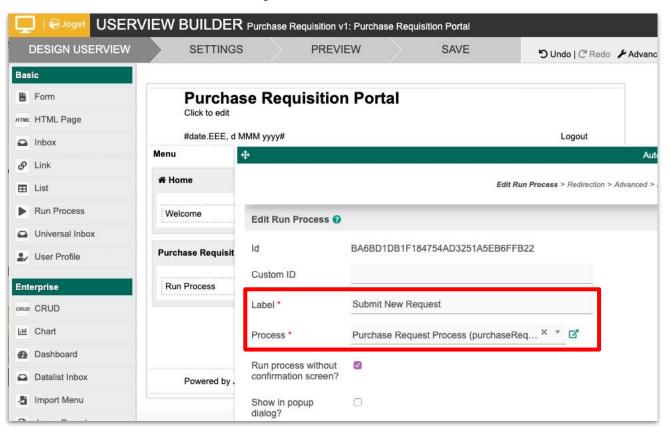
Drag-n-drop Run Process into Purchase Requisition category.





Integrate Run Process Into Userview

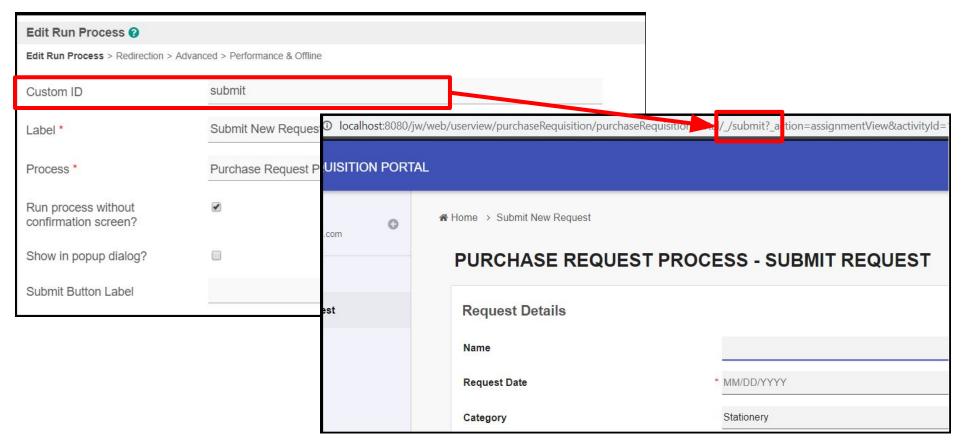
- Set the appropriate label.
- Select Purchase Request Process in Process.





Custom ID for Userview Menu

- Assign a Custom ID. It is used to identify the link's name.
- Custom ID is optional but it must be unique when set.



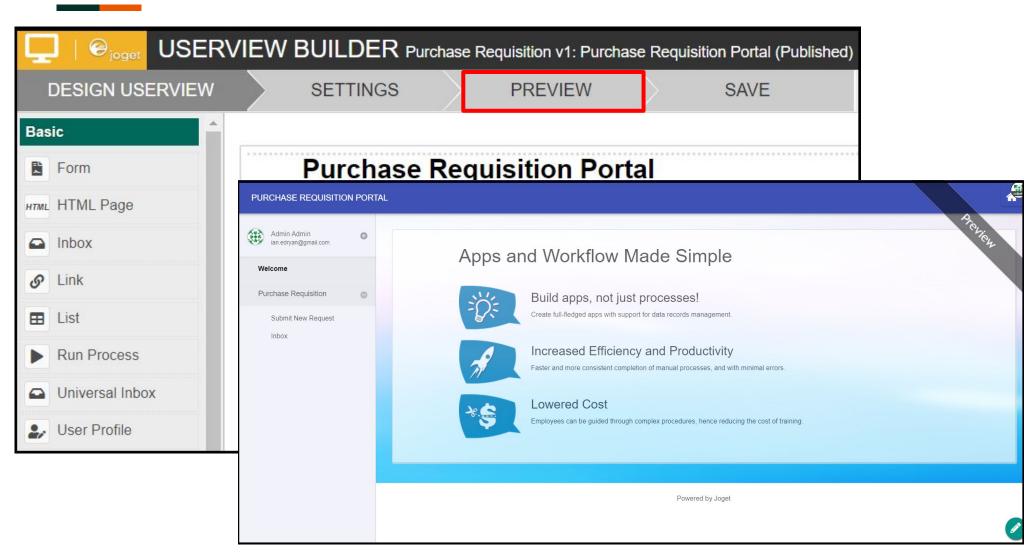


Add Inbox Into Userview

- Add Inbox into Purchase Requisition category.
- Configure it to show All Assignments.



Preview Userview





Publish the App

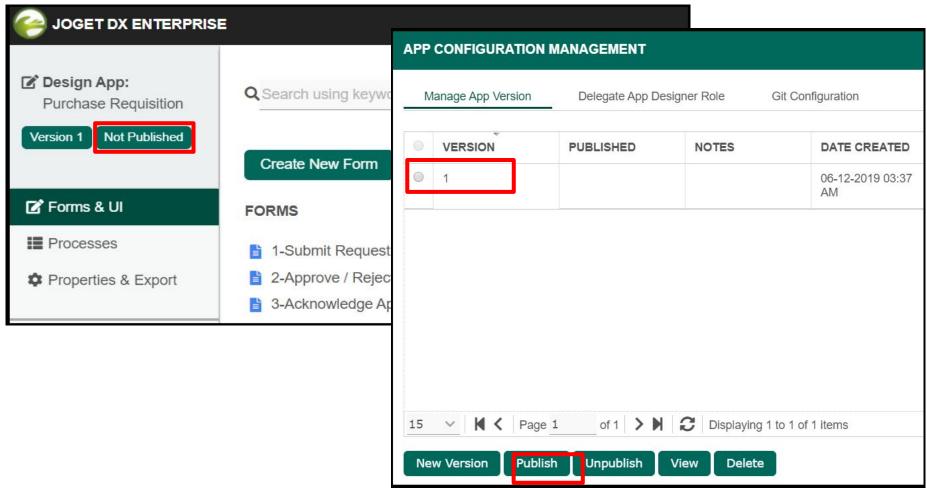
- With the Userview created, it is now ready for prime time.
- End users can now access them through this interface when the App is made published.

Note: Only **ONE** App version can be made published at any point of time.



Publish the App

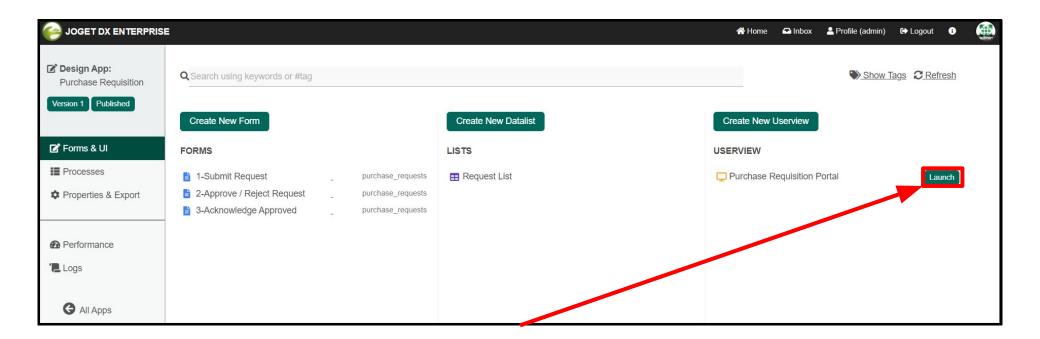
• Click on Version/Publish button, select the version to publish.





Launching the Published App

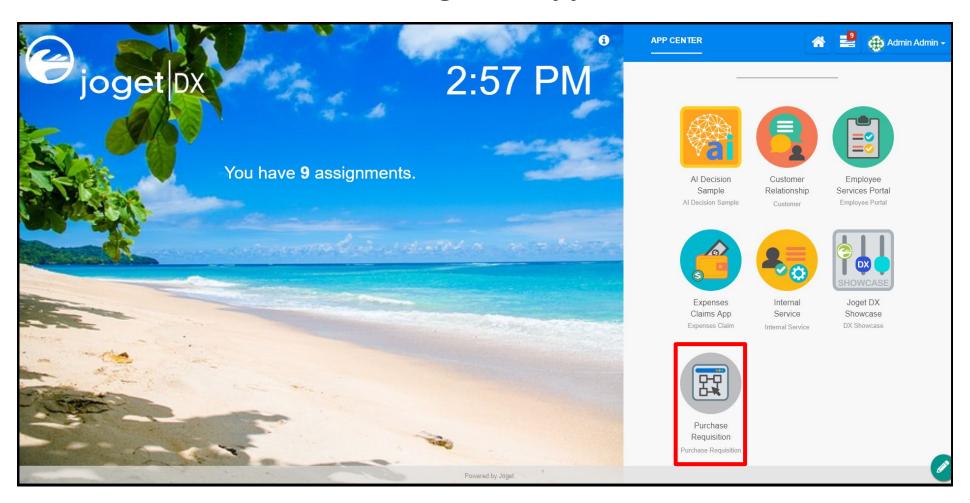
• Click on Launch under Userview pane.





Launching the Published App

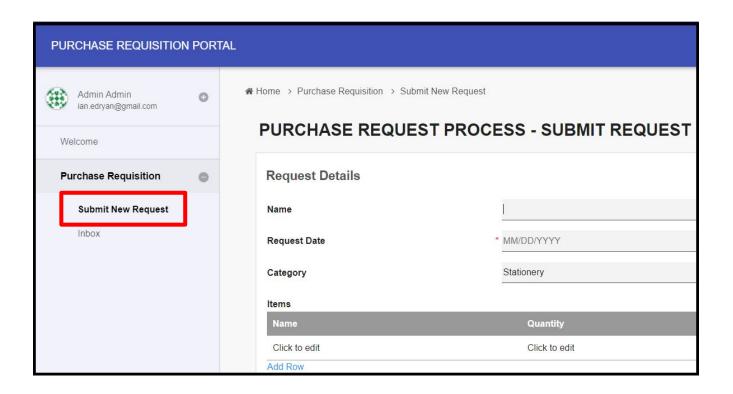
One can also access it through the App Center itself.





Exercise: Run Through the Process

With the Userview created, run through the entire Purchase
 Request Process again by using ONLY the Userview.





Exercise: Run Through the Process

• Submit the form (which is part of the Process's activity flow) and continue on with the next assignment by going to **Inbox**.

PURCHASE REQUEST PROCESS - SUBMIT REQUEST	
Request Details	
Name	
Request Date	* MM/DD/YYYY
Category	Stationery
Items	
Name	Quantity
Click to edit	Click to edit
Add Row	
Remarks	
Save As Draft Complete	



Exercise: Integrate DataList Into Userview

- Add a List element into the Userview to incorporate the Datalist that was created earlier.
- Name it as "List All".



Exercise: Add CRUD Functionality

- Add a "CRUD" element into the Userview.
- Configure the CRUD to use the list created earlier and point to the appropriate form for editing.



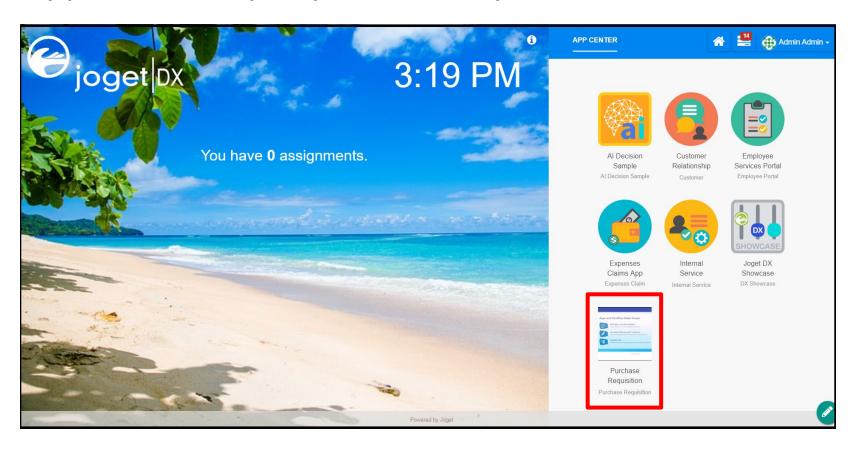
Exercise: Change Userview Theme

- At Userview Builder's settings, change the Userview
 Theme to a new look and feel.
- Remember to click "OK" after selecting a new theme.
- Preview.



Exercise: App Thumbnail

Notice that other apps have each its own app thumbnail in the app center? Try to personalize yours too.





Chapter Review

We have learnt to:

- 1. Create Userview.
- 2. Use Userview as application Front-end interface.
- 3. Integrate Datalist, Run Process, Inbox into Userview.



Chapter 3

Introduction to PWA



Requirements

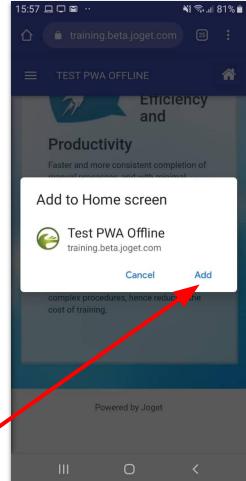
- Your mobile phone/device with PWA-supported browsers.
- For PWA to work, it requires Joget to have a secure web connection (HTTPS).
- The theme used in the Joget App is PWA compliant (By default: DX Progressive Theme & DX X-Admin Theme are PWA compliant).



Adding to Home Screen

- Using your smartphone
 or browser, head over to:
 https://training.beta.joget.co
 m/jw.
- Add to Home Screen.
- An App will appear on app launcher.
- Sign in as one of the users (This is so that Joget would know who to push the notification to).

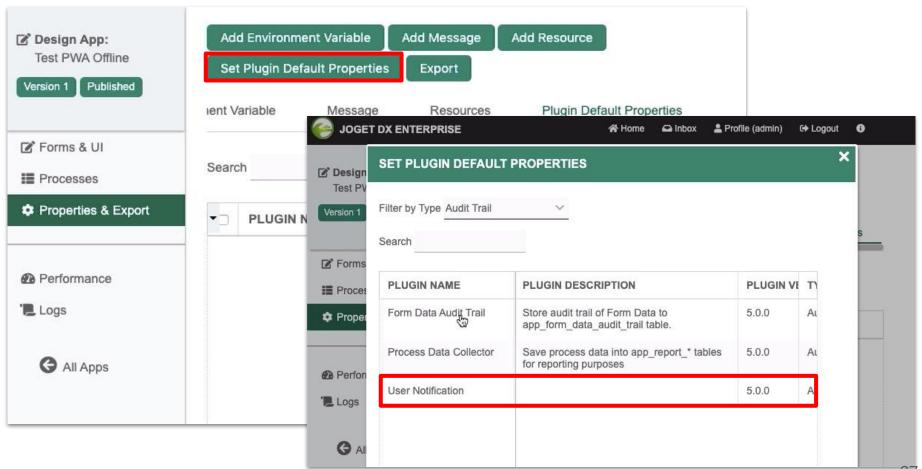






Push Notification

Enable Push Notification in the app itself.

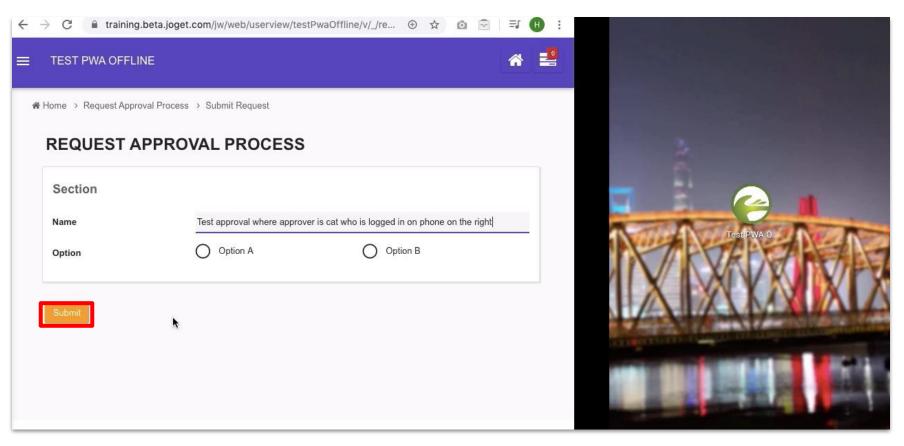


3/



Push Notification

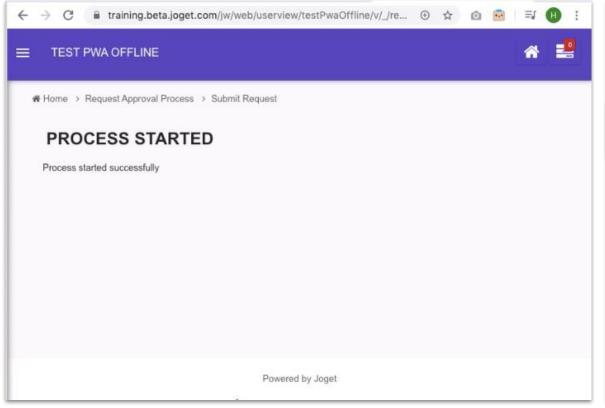
 Starts a new process instance and make sure that it assigns to the person who has signed in on the other device/browser.

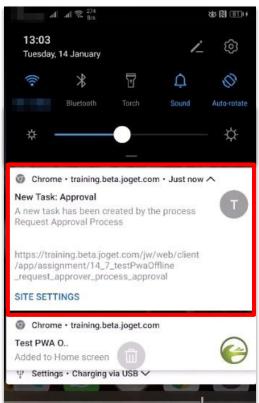




Push Notification

 Once process is started and assignment is assigned to the person signed in on the mobile device, push notification will be sent.







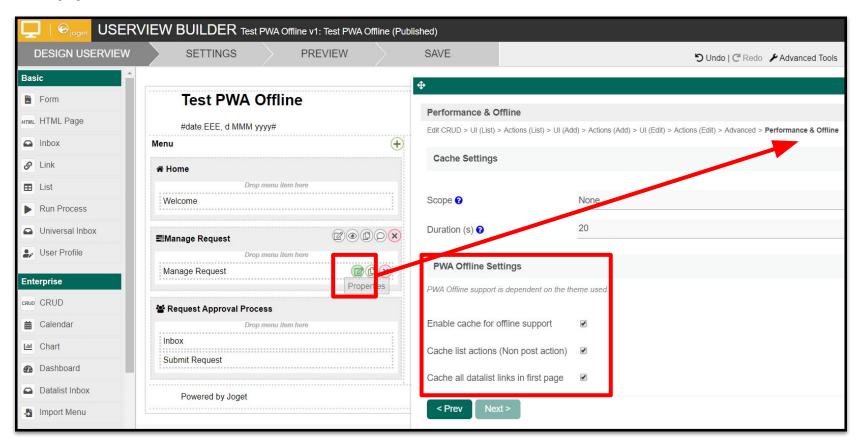
Offline Support

- Offline storage support allows uninterrupted work when device is offline.
- Compatibility depends on the theme and userview menu, down to the form and form field level.



How To Enable PWA Offline Support

• In Userview Builder, toggle "Enable Cache for Offline Support" in each menu element.





Where Are The PWA Settings?

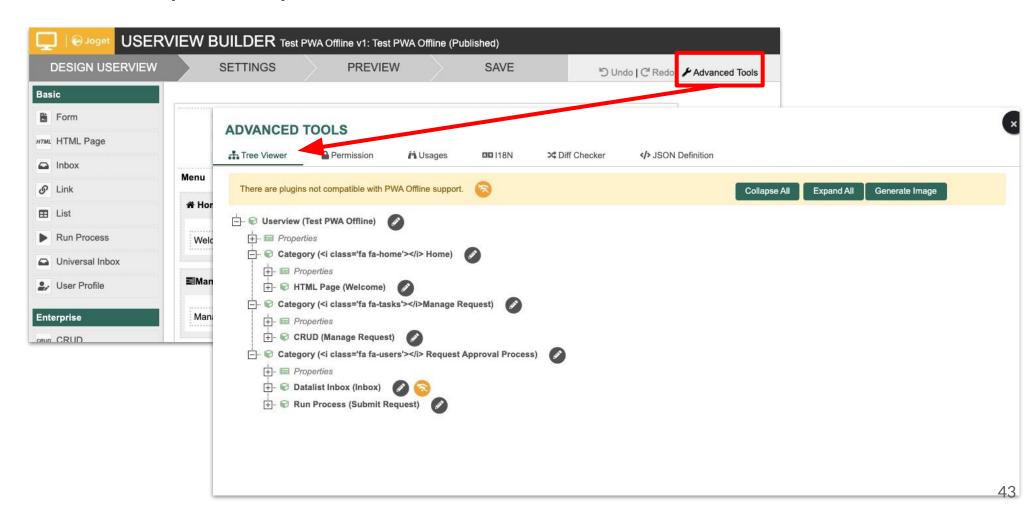
 In Userview Builder > Settings > PWA Supported themes > Progressive Web App (PWA) Settings,

USERVIEW BUILDER Test PWA Offline v1: Test PWA Offline (Published)				
DESIGN USERVIEW	SETTINGS	PREVIEW	\rightarrow	SAVE
Progressive Web App (PWA) Setting Configure Layout > Configure Progressive The		gressive Web App (PWA) Setting	s > Login Paç	ge UI > Configure Permission
Disable Progressive Web App (PWA) Support				
Disable Web Push Notifications				
Additional URLs to Cache ?				
				9



PWA Offline Compatibility

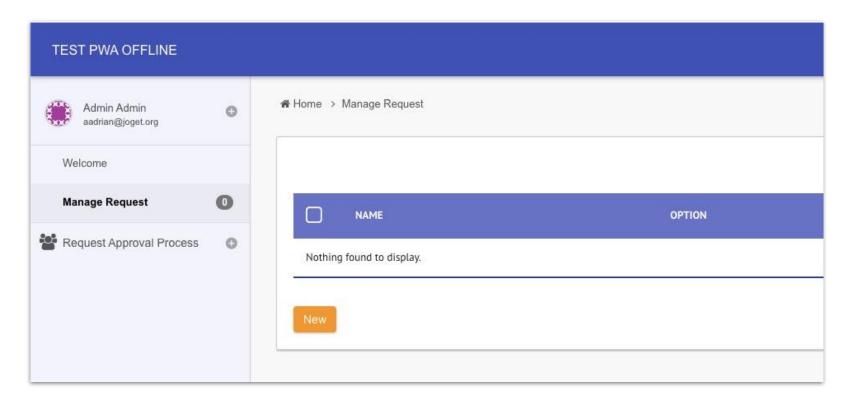
Compatibility check inside Userview Builder's Tree Viewer.





Exercise: Try Out PWA Offline Support

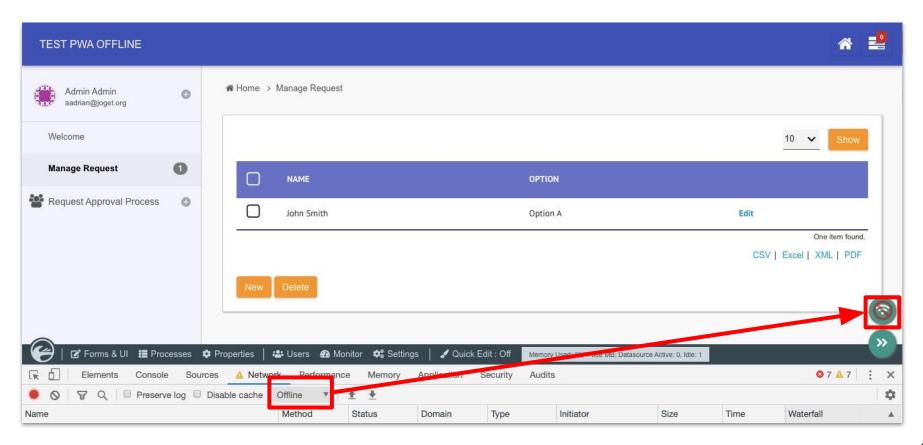
- On your PC, go to https://training.beta.joget.com/jw
- Click on Test PWA Offline App > Manage Request
- Try saving submit a request or save data





Exercise: Try Out PWA Offline Support

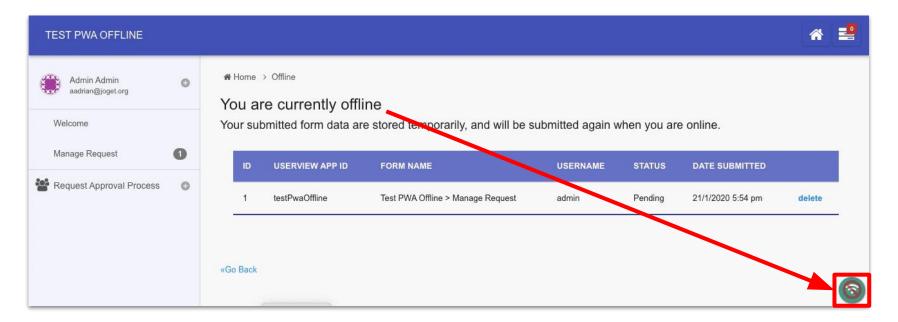
Enable offline mode by making use of Developer Tools in your browser





Exercise: Try Out PWA Offline Support

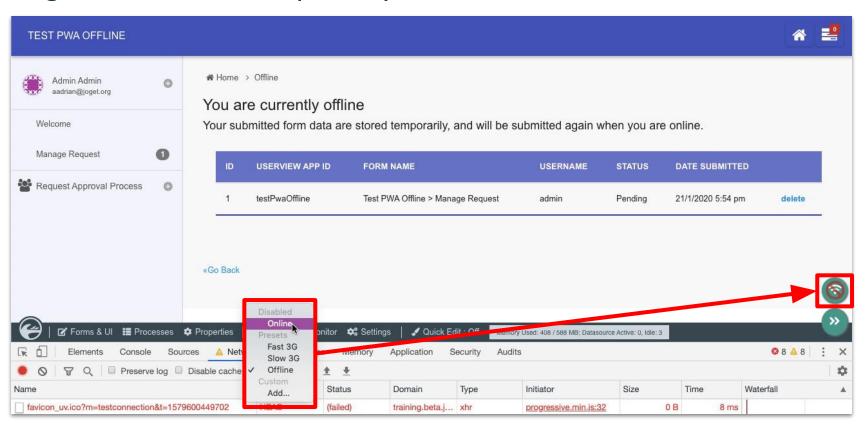
- Try again saving submit a request or save data.
- You will be presented with this screen on submission.
- You can click on the Wifi icon on the bottom right anytime to view stored offline data.





Exercise: Try out PWA Offline support

- Get back online.
- Joget will now attempt to sync all the data saved to server online.





Chapter Review

We have learnt to:

- 1. Add app to homescreen on mobile.
- 2. Push Notification.
- 3. Offline Support.



Module Review

- 1. Introduction to Userview Builder
- 2. Designing Your First Userview
- 3. Introduction to PWA



Recommended Further Learning

- Hash Variables
- Permission Control



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