Technical Capabilities Highlights and FAQs

General Requirements

No.	Question	Answer
1	Does Joget offers business process definition with drag and drop features	Joget's Process Designer provides the capability to design, create and automate business process using - Process Builder
2	Business rules – does Joget offers the ability to integrate business rules into the process design and evaluate them	Business rules can be created using transitions and rules router - Simple Rules Decision AI Based decisions and rules can able be used with in the application - Simple Tensorflow AI Decision
3	Is development is based on drag and drop features and inter connection via configurations?	Joget provides various drag-and-drop builders - Form Builder to create forms and screens - Process Builder to create processes and workflows - List Builder to create searchable data screens - UI Builder to create navigation and screen permissions and menu - API Builder to create custom API with drag and drop capabilities - Report Builder to create reports and generate PDF reports
4	What are the various options for integration with Joget?	With Joget, there are various ways to integrate and get data from and to Joget applications Different integration options - Integration
5	Availability of analytical / access for monitoring of process metrics, evaluation of process throughput, identification of possible improvements, data for process analysis.	There is an enhanced process data collection capability for detailed analysis. Please see Process Data Collector.
6	Securing the execution of business processes, ensuring protection	Available out of the box. Please see Security and Compliance.
7	System setup and management, environment supervision	Available out of the box. Please see System Settings.

Functional Requirements

No	Question	Answer
1	GUI designed for drag & drop process design, encapsulating processes into reusable sequences; collaboration to create process diagrams	- Form Builder - Process Builder - List Builder - User Interface Builder - API Builder - Report Builder - Sub Form - Sub Process - All the builders including Form, List, User Interface, Process and in DX API Builder and Report Builder are all Drag and Drop. - Both Form and Processes have capabilities to reuse.
2	Decision-making rules: flexibility of internal decision-making rules; ease of integration of external rule engine	- Integrates with external rules engine using APIs - Integration Details: Integration - Simple Rules Capability - Simple Rules Decision - AI (Artificial Intelligence) Rules - Simple Tensorflow AI Decision

3	Form designer with the possibility to specify input fields and implement validations.	• Form Builder • Form Validator • Yes, you can specify a various property.
4	Versioning, deploying a new "on-the-fly" version of processes, without the need to interrupt work in progress	• There is process versioning and app versioning - Version Control
5	User portal – management of the tasks of the user and teams; integration to email clients, notifications	• User Management - Managing Users • Integration with Active Directory / LDAP - Joget SSO to Active Directory with Kerberos
6	Problem-solving in running processes – possibility of manual intervention such as move the process to the next step, skip the step, assign it to another user, etc.	• Running Processes • Monitoring Apps • Complete admin functionality available to manage processes
7	Process measurement and reporting. Detailed monitoring of process state, number of instances in different states, processing time of different paths, etc.	• Detailed Monitoring - Monitoring Apps

Workflow Requirements

No	Question	Answer

1	Workflow capabilities	• **Workflow** is focused on the support of manual tasks, typically as a sequence of manual activities of employees working on different roles.
		• Workflow is a complex procedure divided into sub-sections that are performed by employees in different roles.
		• Workflow can contain rules and assignments for different users.
		• Workflow is manual process oriented.
		
		Workflow functions:
		
		• Definition of workflow in predefined view including the definition of the data sentences over which the workflow is performed
		  ○ Completely Visual - Process Builder
		• Manage permissions in each workflow step, set workflow to roles, map people to individual roles
		  ○ Map Participants to Users
		• Custom data visibility for each step and role that is involved in workflow
		  ○ Builder Advanced Tools
		  ○ Builder Advanced Tools - Permission
		  ○ There are various ways to manage the visibility of date based on roles
		• Definition and pass-ability of workflow according to pre-defined rules
		  ○ As shared earlier there are various ways to define rules
		• Notification of newly assigned task, notification of assigned task with expired processing time
		  ○ User Notification Plugin
		  ○ User Notifications Tutorial
		• Overview of workflows and status of all workflows
		  ○ Monitoring Apps
		• Integration into the surrounding environment, the ability to trigger actions on surrounding systems
		  ○ Various ways to integration as shared earlier in the documents
		• System setup and management, environment supervision
		  ○ General Settings
		• Support for mobility (such as mobile devices, ...)
		  ○ You can generate customer mobile applications as well
		  ○ Progressive Web Application - PWA
		  ○ Native Mobile App

Non-functional Requirements

No	Question	Answer

1	Integrability	- JSON API - Automated Deployment on Red Hat OpenShift with the Joget Operator - Joget on Docker - Joget on Cloud Foundry - Most of the integration can be achieved via JSON API Tool - Kafka Integration - Apache Kafka Plugins - UiPath - Integration with UiPath Robotic Process Automation - All Major Databases supported including MS SQL, Oracle, MySQL, etc. - Support for Rest API - Support for containerization, integration into microservice architecture or into IoC containers (Java, Spring, SpringBoot) - Pre-assembled external connectors / plug-ins - Integration into message broker platforms (Apache Kafka) - RPA integration (specifically UiPath) - Supported databases for persistence of metadata and messages
2	Operability	- Deploy anywhere you want - Deployment in on-premise, cloud, hybrid mode - Deploying processes into production, supporting automation - https://blog.openshift.com/automating-low-code-app-deployment-on-red-hat-openshift-with-the-joget-operator/ - DevOps supported via Git Integration - Git Configuration - OpenShift Containers automation using Joget Operator - Possibilities from the perspective of SLA - high availability of solutions; 24x7 mode option - Has a High Availability Deployment Options - Deployment Best Practices - Clustering and Load Balancing - Security, auditability, logging, integration to external SIEM, etc. - Has 5 Star security rating from Fortify - Security and Compliance - Audit Trail
3	Performance and scalability	- Primarily, there is no need for a fast transaction environment that provides tens of millisecond responses. However, performance is needed to handle high volumes (hundreds of thousands of operations) per day at near-real-time. responses in the order of hundreds of ms. - Performance Test Results - Joget DX 8 Clustering and Performance Testing on Google Cloud Platform with Google Compute Engine and Red Hat OpenShift
4	Workflow capabilities	**Workflow** is focused on the support of manual tasks, typically as a sequence of manual activities of employees working on different roles. - Workflow is a complex procedure divided into sub-sections that are performed by employees in different roles. - Workflow can contain rules and assignments for different users. - Workflow is manual process oriented. Workflow functions: - Definition of workflow in predefined view including the definition of the data sentences over which the workflow is performed - Completely Visual - Process Builder - Manage permissions in each workflow step, set workflow to roles, map people to individual roles - Map Participants to Users - Custom data visibility for each step and role that is involved in workflow - Builder Advanced Tools - Builder Advanced Tools - Permission - There are various ways to manage the visibility of date based on roles - Definition and pass-ability of workflow according to pre-defined rules - As shared earlier there are various ways to define rules - Notification of newly assigned task, notification of assigned task with expired processing time - User Notification Plugin - User Notifications Tutorial - Overview of workflows and status of all workflows - Monitoring Apps - Integration into the surrounding environment, the ability to trigger actions on surrounding systems - Various ways to integration as shared earlier in the documents - System setup and management, environment supervision - General Settings - Support for mobility (such as mobile devices, ...) - You can generate customer mobile applications as well - Progressive Web Application - PWA - Native Mobile App