

Chapter 1 : Activiti in Action : Books

Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN from a developer's perspective.

Introducing the Activiti framework 1. The Activiti tool stack 1. Getting to know Activiti 1. Installing the Activiti framework 1. Implementing your first process in Activiti 1. Taking a closer look at BPMN 2. Evolution to BPMN 2. Introducing the Activiti tool stack 3. Working with the Activiti Modeler 3. Adding technical details with the Activiti Designer 3. Managing the Engine using the Activiti Explorer 3. Processes and tasks with the Activiti Explorer 3. Working with the Activiti process engine 4. Creating an Activiti development environment 4. Using plain Java to do BPM 4. Using Spring with Activiti 4. Implementing a BPMN 2. Introducing a real business process 5. Developing script and service tasks 5. Interacting with user tasks and Activiti forms 5. Handling decisions and sending email 5. Deploying processes to the Activiti Engine 5. Testing the process with Activiti Explorer 5. Applying advanced BPMN 2. Working with BPMN 2. Adding a JPA extension to your process 6. Using execution and task listeners 6. Dealing with error handling 7. Choosing between error handling options 7. Implementing error handling with BPMN 2. Implementing error handling using Java logic 7. Deploying and configuring the Activiti Engine 8. Choosing between deployment options 8. Using a Spring-managed Activiti Engine 8. Configuring the Activiti Engine 8. Exploring additional Activiti modules 9. Building an Activiti JEE 6 application 9. Deploying Activiti to an OSGi container 9. Implementing advanced workflow Going beyond a simple user task Managing the user identities in an LDAP server Implementing the BPMN 2. Custom form types and external form rendering Integrating services with a BPMN 2. Invoking services from a BPMN 2. Using the BPMN 2. Integrating with Apache Camel Integrating with Mule ESB Ruling the business rule engine Introducing business rule management Entering the rule world of Drools Integrating Drools with Activiti Creating a web-based rule editor Document management using Alfresco Introducing Alfresco Community Using CMIS to store and retrieve documents Adding documents to a BPMN 2. Business monitoring and Activiti Monitoring business processes Meeting the Esper framework Monitoring Activiti processes with Esper Monitoring Activiti with a Vaadin dashboard Managing the Activiti Engine Working with the Activiti database Dealing with process versioning Understanding the job executor Building an administrator dashboard Working with the source code Appendix B: About the Technology Activiti streamlines the implementation of your business processes: Its XML output goes to the Activiti Engine which then creates the web forms and performs the communications that implement your process. Activiti is lightweight, integrates seamlessly with standard frameworks, and includes easy-to-use design and management tools. About the book Activiti in Action introduces developers to business process modeling with Activiti. About the author Tijs Rademakers is a senior software engineer specializing in open source BPM, lead developer of Activiti Designer, and member of the core Activiti development team.

of 38 results for "Activiti in Action" *Activiti in Action: Executable business processes in BPMN Jul 26, \$ (1 used & new offers).*

Luckily, my company satisfies me in this, and so often I find myself with a new huge book or manual to study. This is the reason why I came across Activiti. *Activiti in Action* [1] is a great book, but I had some problems in performing the two simple exercises of the first chapter due IMHO to the lack of some information. I discovered that other people have the same problem. If you have encountered problems in carrying out the exercises in the first chapter of the book *Activiti in Action*, this article is for you. This article is a walkthrough to the mentioned chapter in the aim to set up a complete Activiti development environment and perform the first two exercises. The first exercise is just a hello world, useful only to setup an Eclipse project. The second one is a more complete test, very interesting for the Activiti beginners. Tomcat is a Java program, so the installation is simply the unzip of the package in a folder of your choice. Scripts to start and stop Tomcat are in the bin folder, the XML config file for the Tomcat users is in the conf folder. Other information about Tomcats are out of the scope of this article, but you can easily find a lot of stuff about Tomcat throughout the net. Unzip the pack in a folder of your choice. H2 database is a Java program. Eclipse is a Java program. Once Eclipse is launched, you can install the Activiti plugin for eclipse. Instruction about the plugin installation are here: Hereafter, I will suppose you have installed the activiti eclipse plugin. Test the Tools Start Tomcat. During the startup, Tomcat unpacks and deploys the activiti-explorer webapp. By default, the app uses an in memory H2 database. Go with a browser to <http://localhost:8080/activiti-explorer>: You should see the activiti-explorer page as in Fig. You can login this page with the username kermit and password kermit. As it starts, H2 tries to launch the browser with the H2 web console. If the browser will not start, you can start it manually. The page URL is <http://localhost:8080/activiti-explorer/h2-console>: You should see the following page: You should see the H2 console DB page for the jdbc: In the left column, you can see that the DB is empty, no tables are contained, ref. [Configure Activiti Explorer for the H2 Database](#) We want the Activiti Explorer application to not use the in memory database any longer, and use the H2 instance active on the host. When Tomcat is up, try to connect to the Activitiexplorer page and login. If the login succeeds, the Activiti-explorer is connected to the H2 instance. Go to the H2 web console page as seen before, and connect to the database, you should find what reported in Fig. With the H2 web console page, you can explore the tables and their content. The Eclipse Project Our goal is to run the two exercises in the first chapter of the *Activiti in Action* book. Follow the wizard and complete the project creation. In my example, the project name is StartWithActiviti. Now we have to populate the Activiti project with the files.

Chapter 3 : Activiti in Action by Tijs Rademakers

activiti in action source code not working with version 0: prequel: Apr 28, @ AM new release of book 1: paradigma: Apr 3, @

You can create a new process or edit an existing process model. If your account has the capability, you can also import existing models that are defined in BPMN 2. Click the hint box next to James, or Create Process. The Create a new business process model dialog box appears. Type the Name and Description of your process Model. Select the Editor type and Stencil. Click Create new model. The Step Editor page is displayed. By default, Step Editor includes a number of Steps, however this depends on the Stencil that you selected for editing the process model. Click Process start to expand and start by setting the process trigger to User filling a form. Click Create form to create a new form or select an existing form from your Forms library. The Form Editor is displayed. To create a form that you can reuse in other process models, you must create it from the main Forms page. In this example, the form is defined in the Step Editor. The Forms editor has the following tabs: Design - Define the layout of form fields from the palette. Tabs - Customize tab names to display in the form. Outcomes - Define the outcome buttons for the form. Style - Define the style css for the form elements. For example, adding the following style in the Style panel will convert the field background to blue: Variables - Define variables in the form. You can design the form layout by simply dragging and dropping the required field type from the palette on the left to the form editor. For each field dropped in the Design area, you can hover over it and edit the field properties using the pencil icon. Alternatively, click X to remove a field from the form. The options that become available in the edit view are determined by the field type selected from the palette. For example, a checkbox field has General, Visibility, and Style tabs, whereas a radio button field type might have an additional tab called Options. Add labels for the selected fields. Optionally, you can reference a display label with the value entered by a user running the process. You can also define if the field is required to be filled before the form can be completed. The steps available to you are defined by the Stencil you associated the model with. The default stencil includes a Human step that can be used to assign a task to the user. Select the Human step and fill in a name within the step box that you just created. You can also specify who this task should be assigned to. Someone who initiated the process A single user A set of candidate users or depending on the type of account, a group of users. When a task is assigned to a group or a list of candidate users, all of those users can see the task in their tasks list, however to complete the task they must claim it first. The Create a new form dialog box appears. Enter a form name and click Save. Drag a multiline text field and drop it to the form. Name the label as Review comment. Click the Outcomes tab and then select Use custom outcomes for this form. In possible outcomes, add the following outcomes and then save the form: Accept The next step depends on the outcome selected in the previous step. Click the relevant choice box to set the condition for the selected choice. The Edit choice dialog appears where you can select the condition based on the existing form fields or outcomes. For the first choice, click Form Outcome and select the following values: Repeat the same for second choice: Provide a meaningful name for the choice steps if you can. Now, add a simple human task called Update Project List. The aim is for the process to stop when the rejection task is completed. Therefore, add a Stop step to the bottom of this task. On the Forms tab for this task, create a new form. Drag a Display text field from the palette and enter the text message to display. The text can contain references to values added by a user in previous forms. There is a helper dropdown that you can select from to insert the given reference at the cursor position in the text. Add some text as shown. Then drag a Display value field from the palette and set it to display the project files by selecting the appropriate field from the list. All your processes are listed with a thumbnail of the process. You can edit a process from the list by clicking Visual Editor. For any additional information about a model, click the thumbnail itself or the Show Details button on the top right corner of the thumbnail. This takes you to the Details page for the process model where you can see the preview model as well as the actions that you can perform on it. When you edit and save a model, you can choose for the changes to be saved as a new version. Previous versions can be accessed from the History popup, as can any commentary from the Comments popup, where you can add

further comments. Other action buttons are self-explanatory such as deleting, starring favorites , sharing, and downloading the model. On the Apps page, click Create app definition. You can have an app without any process definitions linked to it, which lets you create a simple custom task list. Save the app and select the option to publish the app in the Save dialog to return the Apps list view. You can do similar actions on an app in its Details page for all models, such as deleting and sharing. You can also publish the app directly instead of doing it via the Save dialog. The Add app to landing page dialog appears. Choose the apps you want to add and click Deploy. A new tile will be added to your landing page. Using My Tasks and Process Apps A process app is simply a collection of processes that you want to group together to make them available to yourself or other users you share it with. To access tasks and processes: Click on the new app tile that you just created and you will be taken to its Task page. This will only show the tasks created within this app or as part of the processes from the app. Click on the hint box next to James to create a task and fill in some text. You will now have a task in your task list. Complete a task by clicking Complete. You can do a variety of things with a task, such as give it a due date or assign it to someone else. James also has some hints on adding reference documents, comments, and involving other people. When you involve someone else in a task, it will appear in their tasks list. This enables them to contribute to the task such as add comments, documents, and even involve more people. However, only the person who is assigned the task with can actually complete it. If you wish to view that task again, you can click the Completed Tasks filter on the left pane. By default, you will see all tasks you are involved with, however you can customize your view to: Not all user accounts may have groups assigned. A list of available processes are displayed, which in our case will be only one. When you select it, the Start form we created above is displayed. You can also change the name by clicking the title on the right panel. By default the current date is added to the name of the process. Fill in the form and click Start Process. You will be returned to the Processes page, showing the details of the newly started process in your process list. You can always view a process to see what the current and completed tasks are, as well as add comments that will be available for anyone involved in the process at any stage. If you go to the Task page that we just created, you will see the first step in the process is that of a task to review the project, and accept or reject it. The task was assigned to you because it was set to the process initiator, and you started the process. Before you fill in the review summary and choose accept or reject, you can still add people, documents, and comments by clicking on the Show details button in the task header area. You can get back to the form from there by clicking the Show form button. If you click the Accept button, the Review Project task will disappear and instead a new task, Update Project List will appear. This is because you defined it as the next choice step in the Step Editor, if the choice was to accept the project.

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Activiti in Action Book Name: Activiti in Action Author: Tijs Rademakers ISBN Year: Pages: Language: English File size: MB File format: PDF Activiti in Action Book Description: Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti.

Executable business processes in BPMN 2. If you buy something we get a small commission at no extra charge to you. Knowing how to implement them properly is a whole different story. I recently stumbled onto Activiti in Action and decided to give it a try. This book covers the Activiti program, an open source platform for business process management and implementation. The book assumes no prior knowledge of Activiti but it helps to know BPMN modeling, at least in a general sense. The writing is decent and I think the core topics are covered in depth. The book covers actionable steps and you really need to follow along to get the most from this title. Book Contents In pages you get a full rundown of Activiti with live practical examples. The book splits into four parts with 15 total chapters. The bigger sections cover the introduction, implementation, enhancements, and management of Activiti. You do not need an underlying knowledge of BPMN to read this book. However it does help you get through the material much easier. I always like the Manning publications because they give you practical examples to help you learn by doing. Creating processes and dealing with errors can be trivial and frankly terrifying. Tijs walks you through the process explaining the importance of each subject covered in each new chapter. Yet for all the chapters, details, and practical examples, I really had trouble understanding the length of this book. The author seemed to pad it with fluff just to make it longer. Each example makes you think about the best practices for BPMN and business processes management. Just be willing to put in some work because the book is lengthy and very detailed. Client-facing projects are different than business-facing projects. It will help a lot if you brush up on this beforehand. However the author covers BPMN in great detail so you can pretty much learn everything you need from this book. I found far too much repetition in the later chapters covering the Activiti process engine. It may be that the author wanted to clarify everything for new readers. But I think this style of verbose writing is more of an annoyance than a complete detriment. All the information you need is in this book. The examples will guide you along and you will learn to use Activiti by the last chapter. The appendix is OK but not exactly useful in my opinion for a desk reference. But on the plus side I think this book covers all the fundamentals you need to know about the Activiti workflow. Also since this is a Manning book you get a free ebook with the purchase. Who Is This For? Anyone who works on enterprise or business applications must read this book. You do not need any prior experience with Activiti to dive into this book. Most of the problems you face can be Googled and solved pretty quickly. I will say this book is wordy. However the topics are explained in great detail that even a newbie can learn. If you have no idea what any of this is then you might want to start with a more basic intro. Final Summary This would be a great book for project leaders, business consultants, or anyone working in a large enterprise environment. Just be prepared to put in some time reading and trying to understand how the system works. Alex Turner Alex is a fullstack developer with years of experience working in digital agencies and as a freelancer. He writes about educational resources and tools for programmers building the future of the web.

Chapter 5 : [PDF/ePub Download] activiti in action eBook

faces to start new processes, claim user tasks, and query the process engine for specific process instances, for example. After that, we'll explore the Java service tasks.

It takes a couple of process variables and twitters two messages on to your account about the pizza order. Notice that you still have to overwrite the access token and access token secret keys. In the Twitter4J examples this OAuth authentication method is explained. To make it easy for you to generate these tokens the source code of this article contains a CreateTwitterAccess unit test. This unit test generates a Twitter URL you must open in your web browser. Then the unit test will generate your access tokens, which you can copy to the TwitterService implementation. To have everything running you must execute the following steps: Download Activiti RC1 from [http:](http://) Run the installation script by running the ant command in the setup directory of the Activiti distribution. This will install and startup Activiti. Run the default target deploy. This will deploy the process definition to the Activiti engine. This is needed because the Groovy scripting engine is not installed in Tomcat by default. This makes sure that the Twitter4J library is available on the classpath. This is needed because the service task classes used in the pizza order process must be on the classpath of Tomcat. Start the Tomcat server again by running the Ant command ant tomcat. When you are done with these steps you can go to the Activiti Explorer [http:](http://) Because we also need the fozzie user for our first user task this is handy later on. Then click on the processes tab and click on the start form link you can find with the pizza order process. There you can fill-in the start form and click for OK. Then go back to the task tab and you should see a screen similar to the next figure. This means that the pizza order process has successfully created a user task for fozzie. Now you can choose if you want fozzie to complete the task or you can wait a minute and the task must be completed by kermit. When the task is completed, the 2 messages are tweeted about the pizza order process that look like this. The business process life cycle starts with Activiti Modeler, the Web 2. Next tool down the line is Activiti designer, an Eclipse based development tool to add technical detail to the model, like for example binding a Java class to a service activity. It provides unit test functionality to run the BPMN 2. When processes finally run on there you need Activiti Probe. Probe provides administrating capabilities by providing a view on the process engine environment at any given moment, showing the status of the engine from a technical standpoint. For the end users of the business process application there is Activiti Explorer as you have seen in the pizza order example. With Explorer workflow is implemented. Users get to see the list of tasks they can work on and processes they are allowed to start. The last tool in the Activiti stack is Cycle. Activiti Cycle facilitates the collaboration between business folks and IT in a way that fits with how people work in practice. It is basically a tool that focuses on the big picture. This means that all aspects of business related content, software development and software deployment are taken into account. With Cycle, Activiti created a glue "layer" between the different tools and repositories that are used in business process modeling projects as you can see in the tool overview picture. All these tools of Activiti deserve an article for themselves to demonstrate the functionality they provide to support the business process lifecycle. His focus is on BPM and open source Java development. His focus is on business rules management systems and BPM and works on the Activiti Designer project. [Read More From DZone.](#)

Chapter 6 : Activiti (software) - Wikipedia

*Summary*Activiti in Action is a comprehensive tutorial designed to introduce developers to the world of business process modeling using Activiti. Before diving into the nuts and bolts of Activiti, this book presents a solid introduction to BPMN from a developer's perspective.

Chapter 7 : Activiti in Action | Avyakrita R - calendrierdelascience.com

Activiti In Action> source code for ? (Although the latest code seems to be and the Activiti I'm using is) Thank you so

much. Like € Show 0 Likes 0.

Chapter 8 : Free activiti in action PDF

Provides information on using Activiti to streamline the implementation of business processes, covering such topics as process modeling, workflow, event handling, business rule engines, and document management integration.

Chapter 9 : Step by Step your First journey with Activiti - CodeProject

Activiti is the leading lightweight, java-centric open-source BPMN engine supporting real-world process automation needs. Activiti Cloud is now the new generation of business automation platform offering a set of cloud native building blocks designed to run on distributed infrastructures.