

Software Practice 1 - Project Management Tips and Tools

- **Environment Settings**
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Environment Settings

- **Development Environments**
 - Platform
 - Compiler
 - Software Development Kit
 - Integrated Development Environment

Naming Conventions

- In Java, naming conventions for identifier are listed below, where in a name in “CamelCase” is one composed of a number of words joined without spaces

Identifier type	Examples
Class	<code>class FirstClass</code> <code>class SecondClass</code>
Methods	<code>void runFirstMethod();</code> <code>void getFirstMember();</code>
Variables	<code>int age;</code> <code>float weight;</code>
Constants	<code>static final int</code>

Schedule Management

The screenshot displays the Bitrix 24 'My Tasks' interface. The top navigation bar includes the Bitrix 24 logo, a search bar, the time 12:25 PM, and the user profile for John Smith. The main content area is titled 'My Tasks' and features a '+ NEW TASK' button and a search bar. Below this, there are filters for task status: Ongoing (3), Assisting (1), Set by me (1), Following, Favorites, All, Projects, and Reports. A 'New task' input field and a 'FILTER: ALL' dropdown are also present. The tasks are sorted by 'Deadline' and displayed in 'GANTT' view. The Gantt chart shows a timeline for 2016, with tasks represented by horizontal bars. The tasks and their durations are:

Task	Start	End
Conference Preparation	September 1	November 1
Project translations	August 1	December 1
CRM: Inform the customer	September 1	October 1
Outsourcing	September 1	October 1
Site design	November 1	February 1
Sales	September 1	October 1
New sales strategy	September 1	November 1

The interface also includes a left sidebar with navigation options: MY WORKSPACE (Activity Stream, Chat and Calls, Tasks (5), Calendar, My Drive, My Photos, Conversations, CRM, Webmail), APPLICATIONS (Marketplace, Add application, Zapier), WORKGROUPS (All Workgroups, Sales), and EXTRANET WORKGROUPS (Outsourcing). A bottom toolbar contains icons for chat, notifications, and other functions.

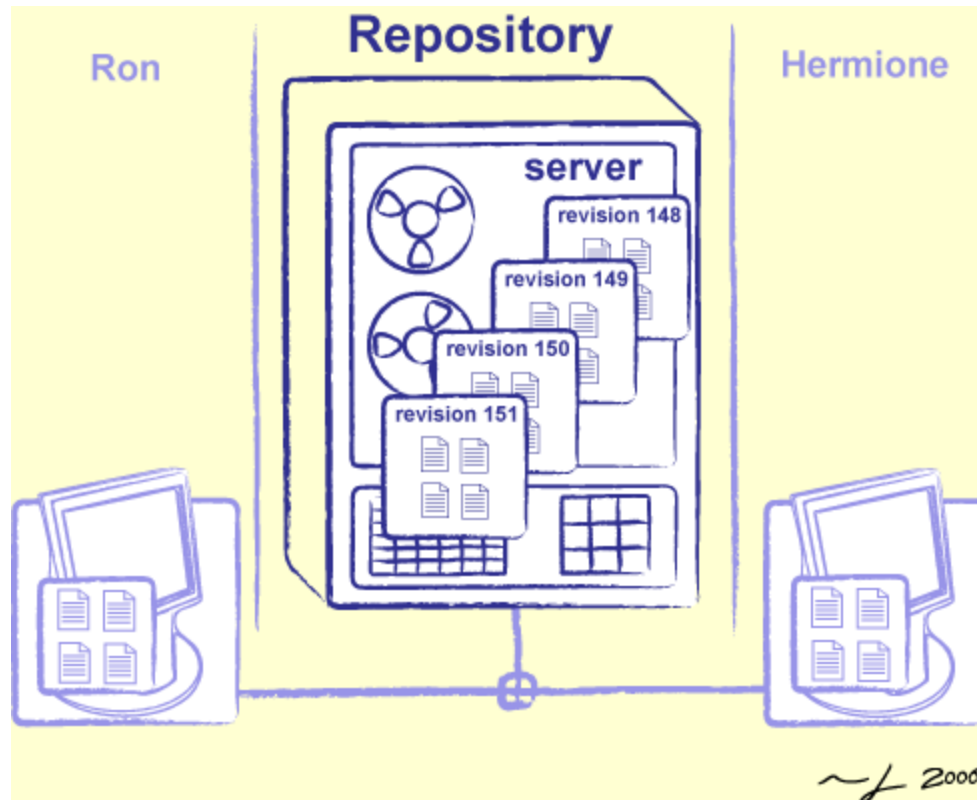
Schedule Management

The screenshot shows the Bitrix 24 interface for 'My Tasks'. The main view is a Gantt chart for tasks in progress, sorted by deadline. The tasks are: Make pie, Bake pie, Prepare stuffing, Prep turkey, Put turkey in the oven, and Make cranberry sauce. The Gantt chart shows dependencies between tasks across the dates 25, 26, and 27 November.

Task Schedule:

Task	Start	End	Dependencies
Make pie	25 Nov 06:00	25 Nov 12:00	None
Bake pie	25 Nov 12:00	26 Nov 00:00	Make pie
Prepare stuffing	26 Nov 06:00	26 Nov 12:00	None
Prep turkey	26 Nov 12:00	26 Nov 18:00	Prepare stuffing
Put turkey in the oven	26 Nov 18:00	27 Nov 00:00	Prep turkey
Make cranberry sauce	27 Nov 06:00	27 Nov 12:00	None

Configuration Management



Configuration Management

- **Repository**
- **Working Copy**
- **Revision (version)**
- **Branch**
 - Master
 - Sub branch
- **Check Out**
- **Commit**

Configuration Management

- **Opensource CM system**
 - Subversion (SVN)
 - CVS
 - Git