

Chapter 1. Presentation

What is Web Calendar ?

WebCalendar is a plug and play web service, developed with Java, you can integrate in you corporate web server, without any programming skill, thanks to your favorite html editor. Based on templates technology, web designers and java developpers can work each one on its own.

Why another one ?

Because when I start this project a year ago, there was nothing good. Today, a few webcalendar appear but no one permits a painless integration between designer and developer's work. So, I think this webcalendar service has its own added value that justifies its existence.

Features

WebCalendar :

- is fully customizable to suit your needs
- has a dreamweaver extension easy to use
- is multiplatform (win32, unix, mac, novell, ...)
- is fully multilingual
- can be used with any type of terminal : PC, Pda, Wap Phones, ...
- can be shared between users
- can be easily extended to suit your needs

Screenshots

Here are a few snapshots to show you how WabMail looks like. For each screen, you'll have the dreamweaver source screen too. This way, you will understand how powerful is "The Babel Objects Framework". First, you have the authentication page where you provide login, password, ...

Figure 1-1.

Figure 1-2.

Then, you list all the events according your access rights and the context (day, week, month for one or more user) You can :

- view your agenda
- view shared agendas according the rights you have
- change the view's type by clicking on the various tabs
- ask for appointment creation
- read appointment details

Figure 1-3. Day view

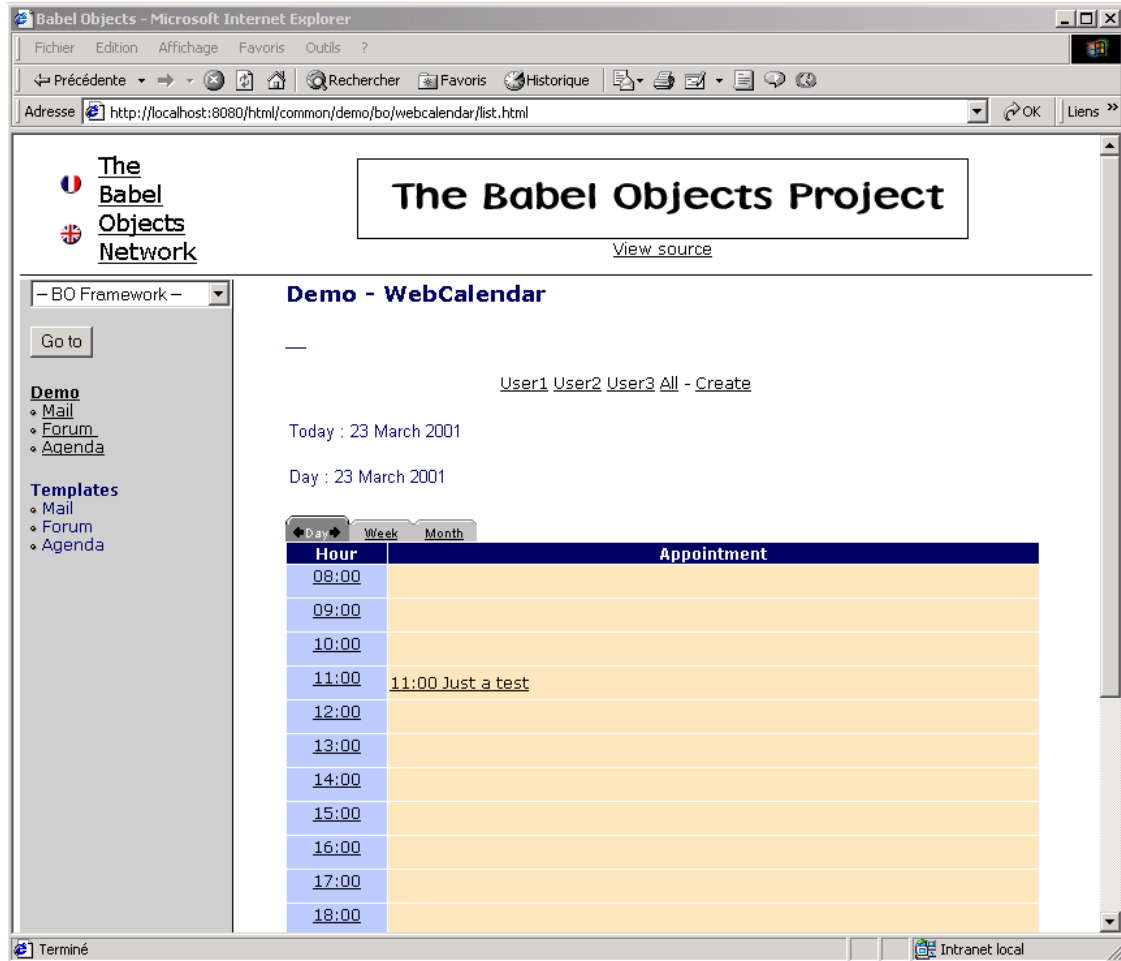


Figure 1-4. Week view

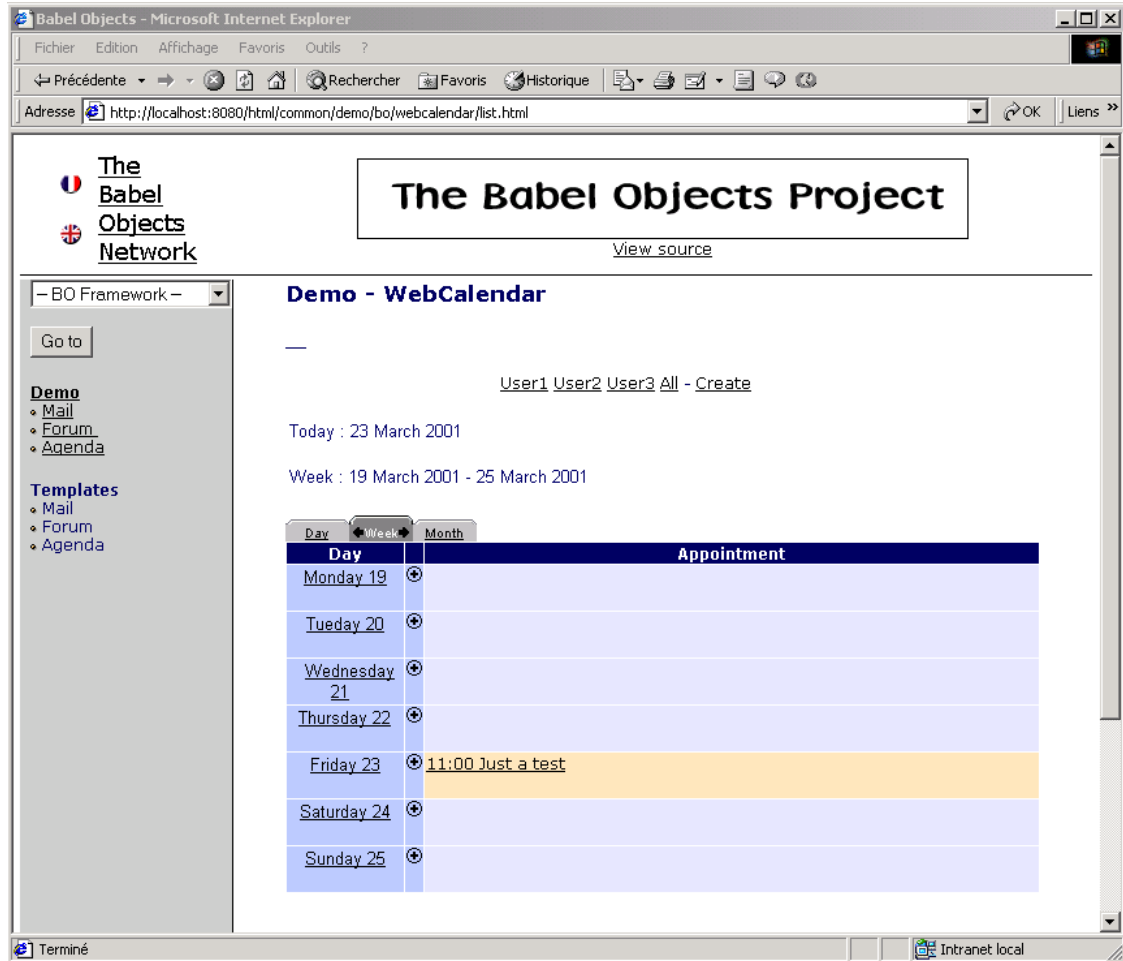


Figure 1-5. Month view

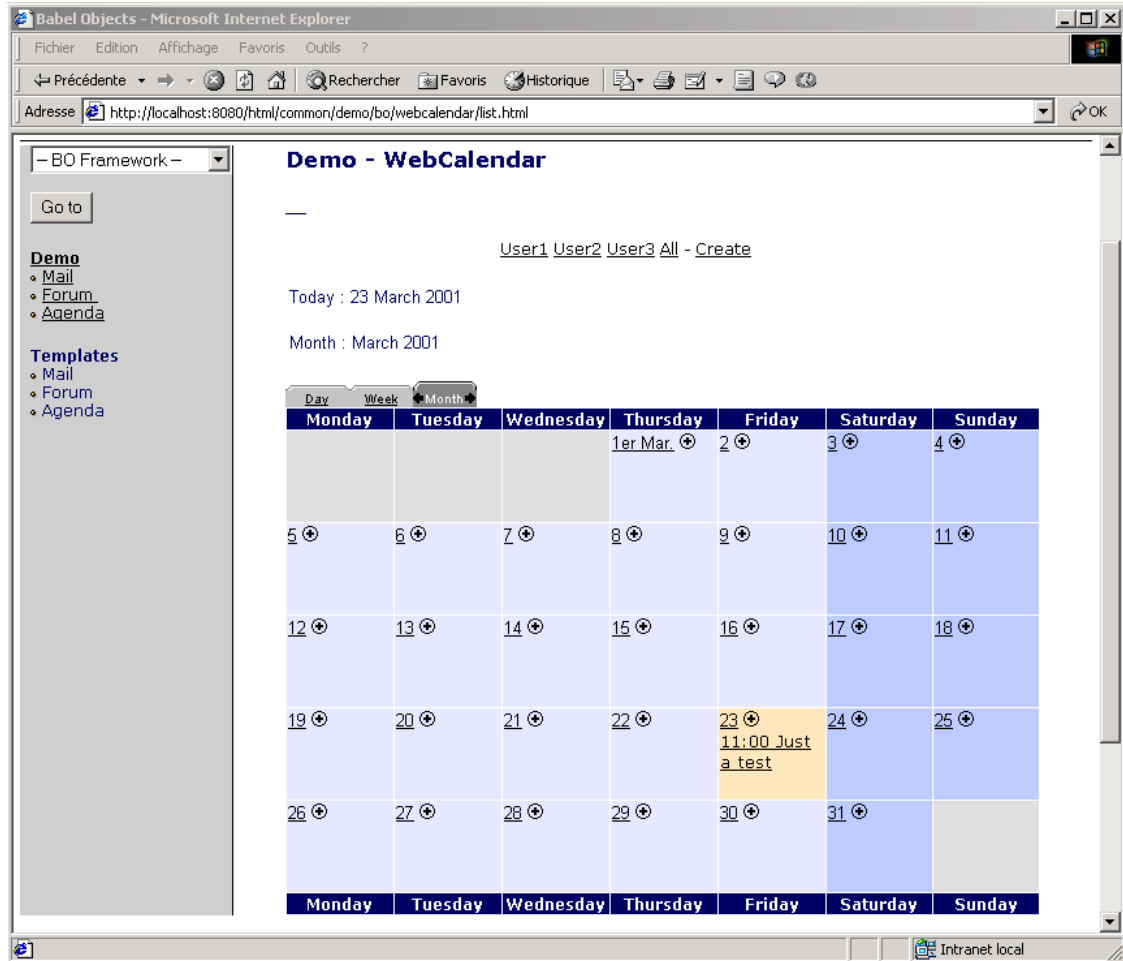
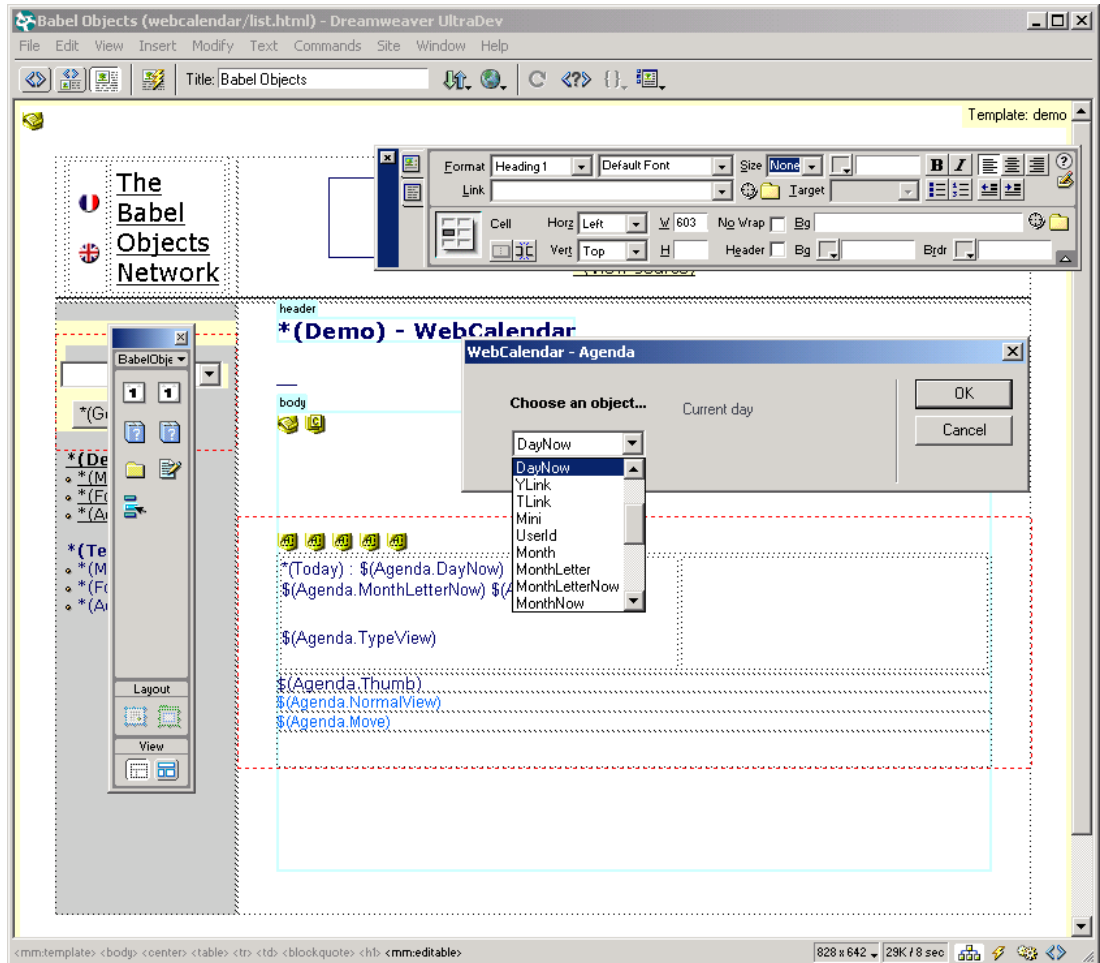


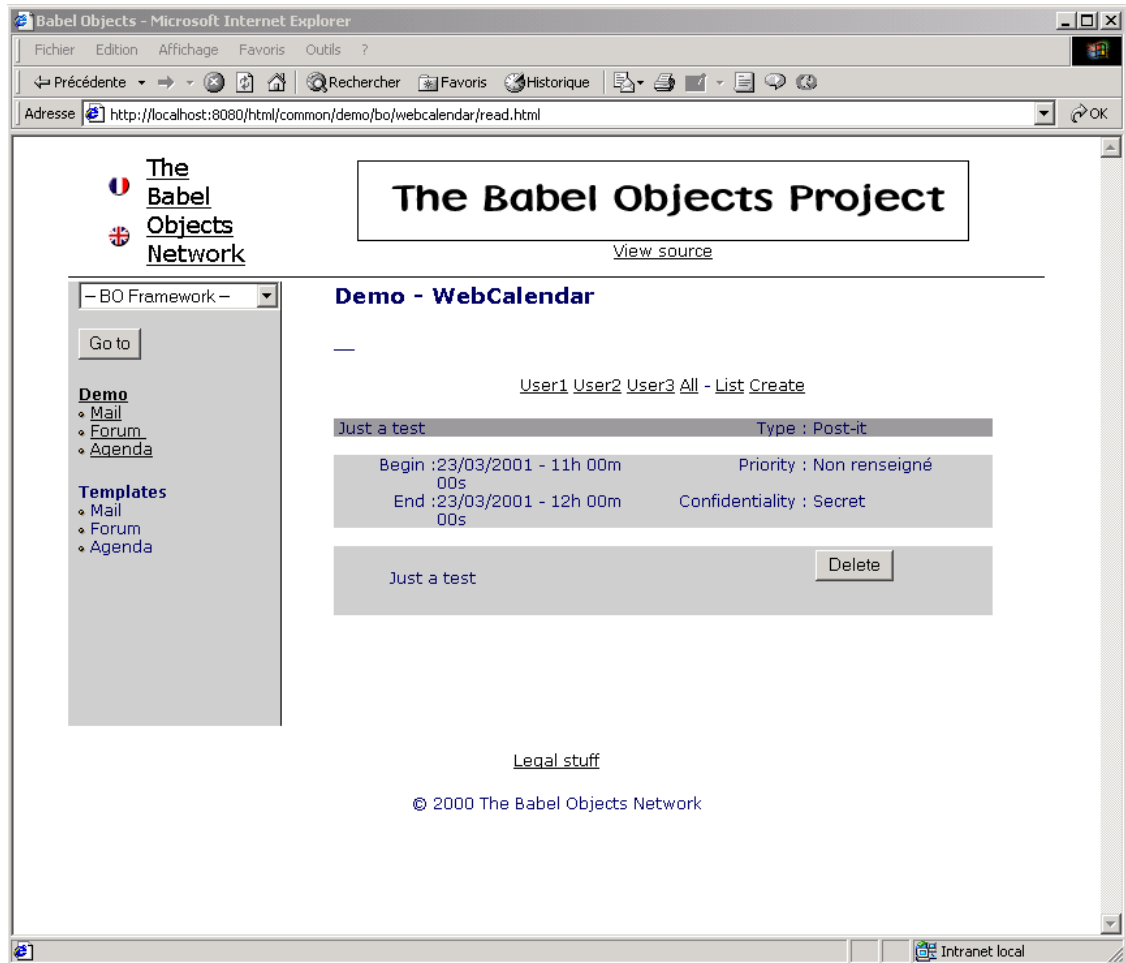
Figure 1-6. Events list building



Click on a date to read it. You can :

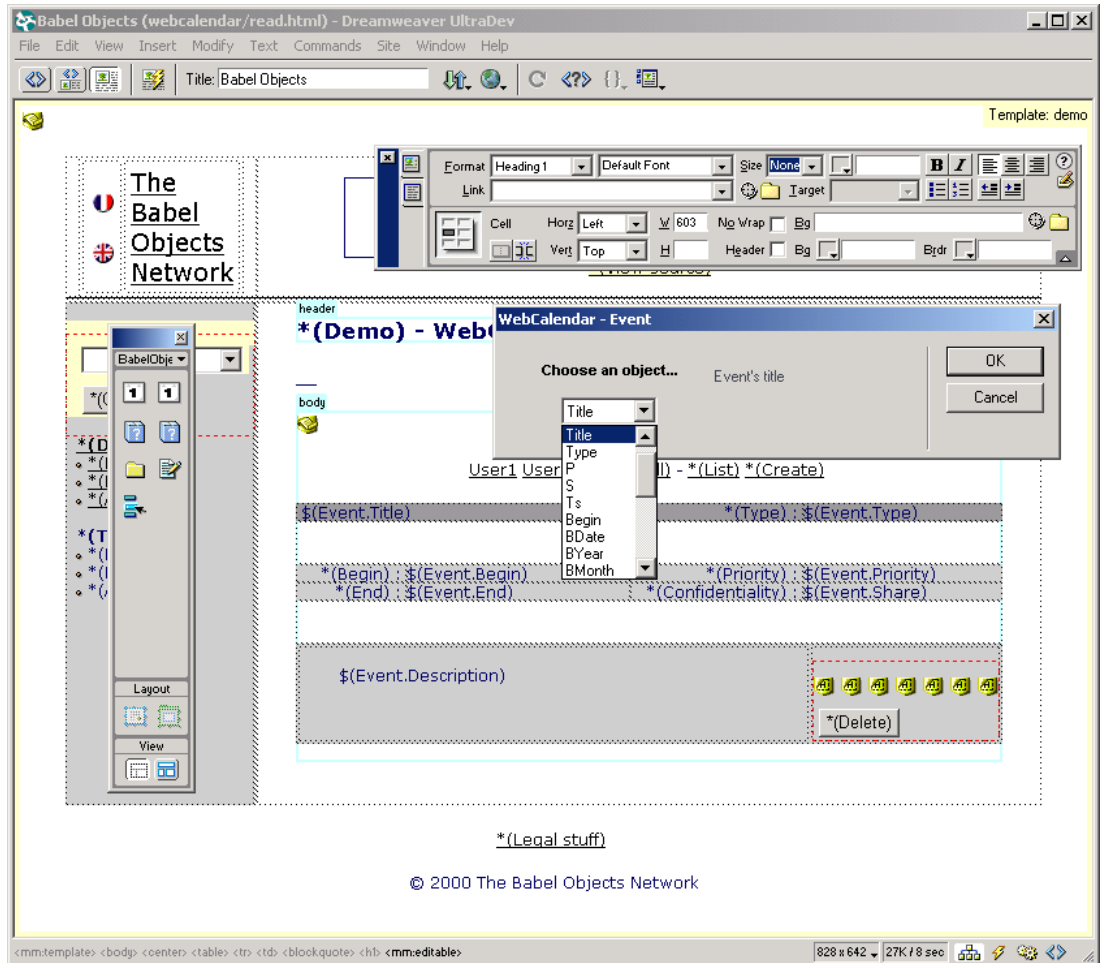
- view appointment details
- delete the appointment if you have the necessary rights

Figure 1-7. Date reading



Really easy with dreamweaver extension. Just click, that's enough.

Figure 1-8. Date reading building



On the date creation page, you can :

- specify begin and end hour of your appointment
- specify the type (birthday, diner, ...)

- specify the share

Figure 1-9. Date creation

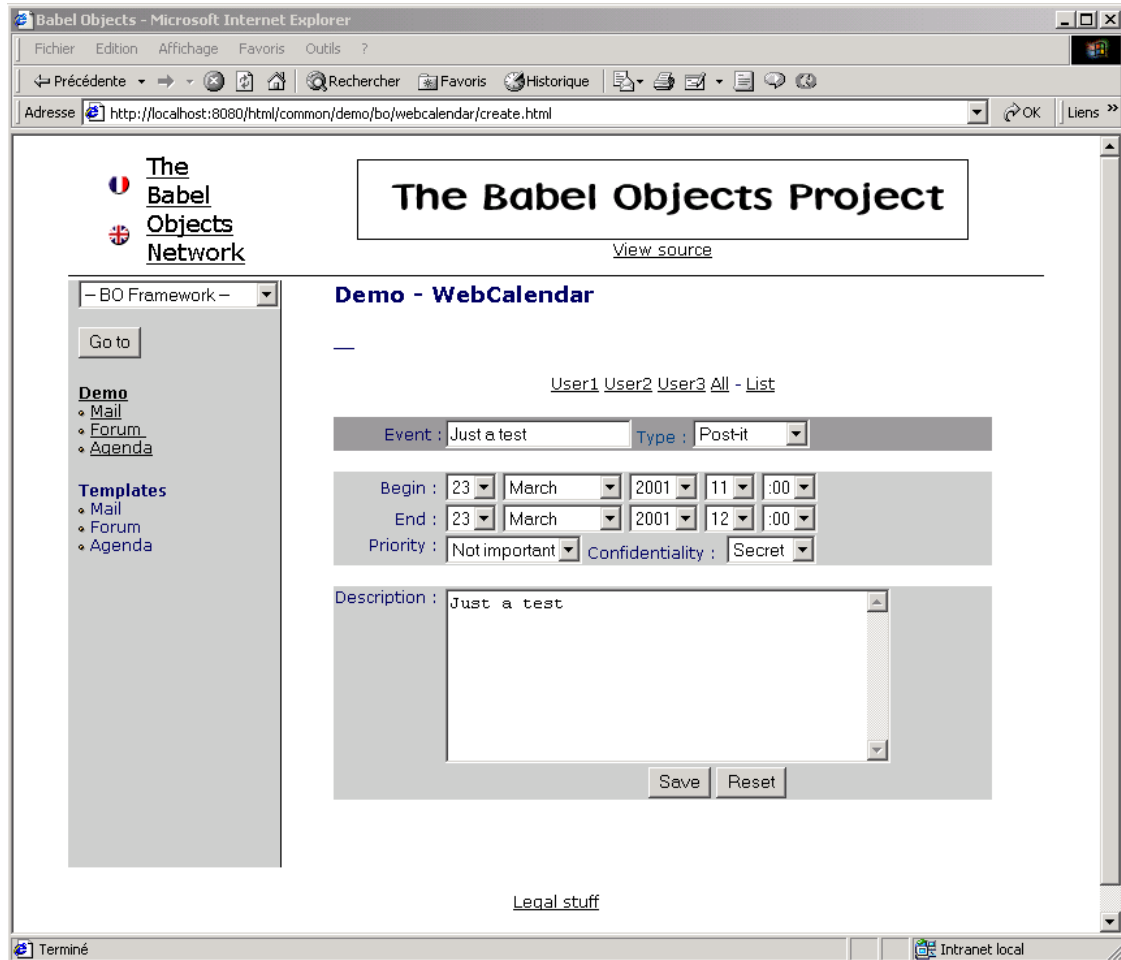
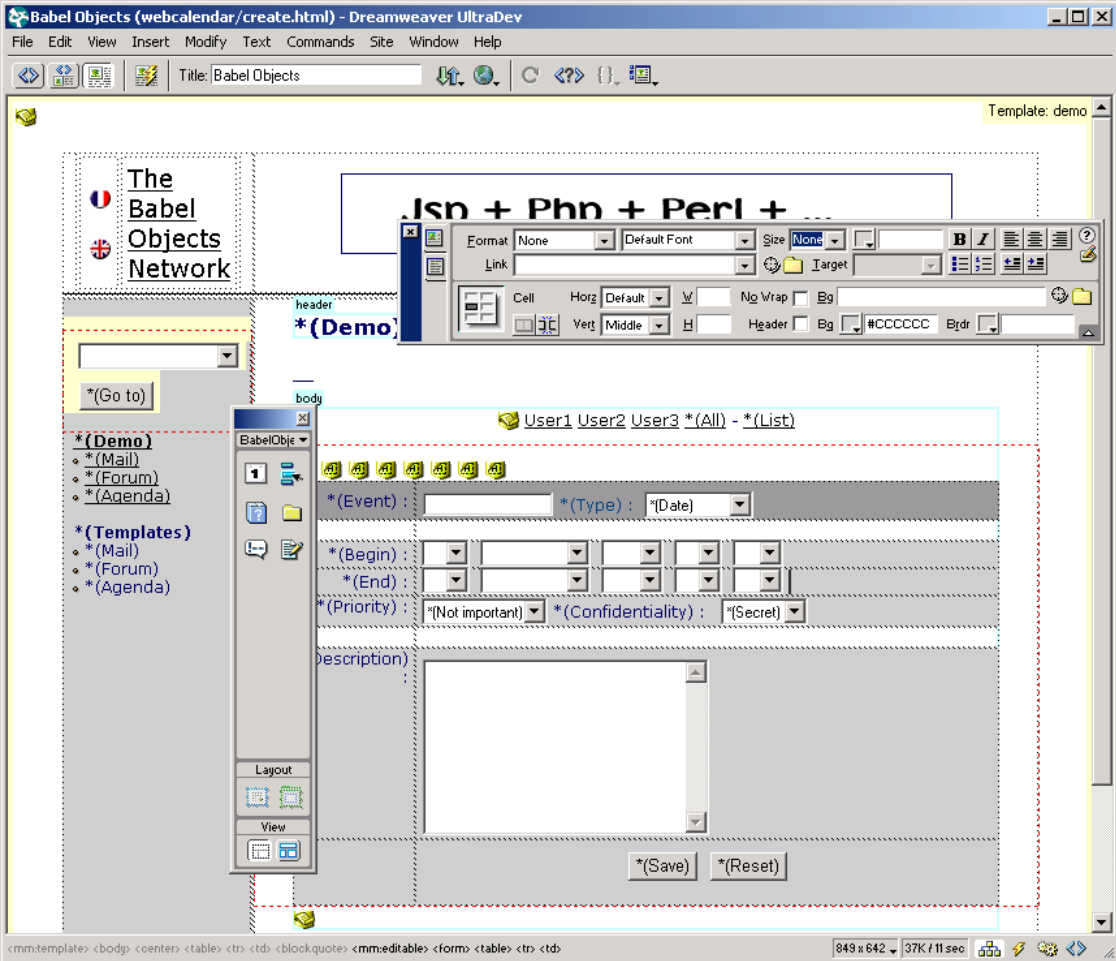


Figure 1-10. Date creation form building



Chapter 2. Development status

Information

23th march 2001

- PDF documentation is available. There is still a lot to do but things begin to be cool.

1st march february

- a demo is available. There are 3 default users. Test the calendar with them.
- forums are available. Ask for a question about installation, use or development
- localization has been added. You can add your own language.

Milestones

Milestones tell us in wich order features will be added to the project. You can modify this order in two ways :

- help us to develop features
- ask us a feature, and don't forget to tell us why it's important :-)

GroupWare - WorkFlow

- vertical view type to have several agenda near each other with a different color for each person
- delegation (read, create, update ...)
- agenda sharing

Content

- synchronisation and dynamic integration with external data source (XML, SOAP...)
- search an event with keywords

Multiterminal

- use with PDA, WAP phone, ...

Preferences

- Options (colors, default view)

To do

If you think we have forgotten something, tell us ([&wc.mailto.dv\ptmaster;](mailto:dv\ptmaster;)).

Chapter 3. Getting started

WebCalendar is a web service developed in Java. You must install The Babel Objects Framework before to be able to use WebCalendar. Don't worry, there is a install program for Unix System and Win32 System that does all the boring stuff for you. But some programs can't be packaged because of Copyrights restriction. Go and see the prerequisites. Install programs are available in the above download section.

Prerequisites

You must have the following software installed on your system. If it's not the case, download what you are missing and read the guidelines.

- The Babel Objects Framework (go to)
- The WebCalendar Web Service (bo-webcalendar.jar ())
- A relational database (mysql (<http://www.mysql.com>), postgresql (<http://www.postgresql.org>), oracle, ...)
- The JDBC driver corresponding to the database you use

Tests have been made with mysql 3.23.32 for Win32 System as database and mm.mysql.jdbc-2.0pre5 as JDBC driver.

Download

- Install program :
- latest WebCalendar : bo-webcalendar.zip
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.zip>), bo-webcalendar.tar.gz
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.tar.gz>)

Installation

Download MySQL. Install it.

If you use MySQL, you don't need to download mm.mysql.jdbc-2.0pre5.tar.gz and extract the needed jar files because they have been installed with The Babel Objects Web Services Framework

Configure software

To start and test WebCalendar, just modify these parameters in bo.xml to suit your system :

- webRoot : the url of your server with optional port (for example, `http://www.babelobjects.org` or `http://localhost:8080`)
- webDir : the root directory of your html documents (for example, `/opt/www/www.babelobjects.org` or `\Program Files\BabelObjects\html`)
- confDir : the configuration directory for your babel objects installation (for example, `/usr/local/babelobjects/conf` or `\Program Files\BabelObjects\conf`)

You have to configure dbFileProperty parameter too :

- *dbFileProperty*, in webcalendar.xml, specifies the path of the database file properties

Then don't forget to adapt webcalendar-db.properties for your system.

Database creation

WebCalendar model is very simple... It uses one database called "agenda" and one table in this database, called agenda too. It needs work, sure... but that works. It looks like this :

```
create database agenda;
use agenda;

create table agenda (
  userid char(235) not null,
  createtimestamp char(20) not null,

  description text,
  title varchar(255),
  priority varchar(255),
  type varchar(255),
```

```
share varchar(255),

beginyear char(4),
beginmonth char(2),
beginday char(2),
beginhour char(2),
beginminute char(2),
beginseconde char(2),

endyear char(4),
endmonth char(2),
endday char(2),
endhour char(2),
endminute char(2),
endseconde char(2),

primary key(userid, createtimestamp)
)
```

To create this table for MySQL, just copy & paste the above lines in a file called agenda.sql, then :

```
mysql < agenda.sql
```


Chapter 4. WebCalendar : Download

Binaries

If you have already installed The Babel Objects Web Services Framework, you just need to download WebCalendar. Choose the format you need.

- latest webcalendar : bo-webcalendar.zip
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.zip>), bo-webcalendar.tar.gz
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.tar.gz>)
- latest framework : bo-framework.zip
(</html/common/project/application/framework/download/component/latest-bo-framework.zip>), bo-framework.tar.gz
(</html/common/project/application/framework/download/component/latest-bo-framework.tar.gz>)

Source code

Sources are available online on Babel Objects cvs server (</tool/cvs/cvsweb.cgi>). If you want to contribute, you are welcome :-). Come and join the mailing list (</html/en/project/component/mail/webcalendar/export/html/support.ml.htm>) to see what's happening.

- latest webcalendar : bo-webcalendar.src.zip
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.src.zip>), bo-webcalendar.src.tar.gz
(</html/common/project/component/mail/webcalendar/download/component/latest-bo-webcalendar.src.tar.gz>)
- latest framework : bo-framework.src.zip
(</html/common/project/application/framework/download/component/latest-bo-framework.src.zip>), bo-framework.src.tar.gz
(</html/common/project/application/framework/download/component/latest-bo-framework.src.tar.gz>)

Extensions

Extensions must be used in conjunction with an html editor that support them. DreamWeaver call them 'extensions' and GoLive ??? (somebody knows ? (mailto:jck@BabelObjects.Org)). I think FrontPage has this same feature, but I'm not sure (somebody knows too ? (mailto:jck@BabelObjects.Org)).

- DreamWeaver
 - WebCalendar.mxp
(/html/common/project/component/mail/webcalendar/download/extension/WebCalendar-2.0.0.mxp)
 - WebCalendar.mxi
(/html/common/project/component/mail/webcalendar/download/extension/WebCalendar-2.0.0.mxi)
 - WebCalendar.zip
(/html/common/project/component/mail/webcalendar/download/extension/WebCalendar-2.0.0.zip)
- Other html editor
 - To do :-)

Templates

Themes are a set of html templates ready to run. Take them, adapt them (with the dreamweaver extension or by hand) to suit your need if you think it's necessary, and... that's all !

- Babel Objects ()

If you have one you want to share with the community, just tell me (mailto:jck@BabelObjects.Org).

Chapter 5. Support

Documentation

The documentation you are reading is available on line () or in pdf format ().

Mailing list

The following mailing lists are available :

- WebCalendar-Announce [Subscribe]
(mailto:webcalendar-announce-request@BabelObjects.org?subject=subscribe webcalendar-announce)
[Unsubscribe] (mailto:webcalendar-announce-request@BabelObjects.org?subject=unsubscribe webcalendar-announce)
Announce new WebCalendar versions. Low traffic, strictly moderated. Everybody using WebCalendar.
- Webcalendar-Use [Subscribe] (mailto:webcalendar-use-request@BabelObjects.org?subject=subscribe webcalendar-use) [Unsubscribe]
(mailto:webcalendar-use-request@BabelObjects.org?subject=unsubscribe webcalendar-use)
All your question about WebCalendar use, installation and developpement. Average traffic. Everybody.

Frequently Asked Questions

There are under construction.

Forum

One forum called 'Administration' is available for the moment. You can discuss about all the kind of problem you have in using WebMail. If you think a new forum is necessary, just tell me (<mailto:jck@BabelObjects.Org>). Create a new forum is as difficult as create a new folder. In fact, it's exactly the same thing.

- Administration

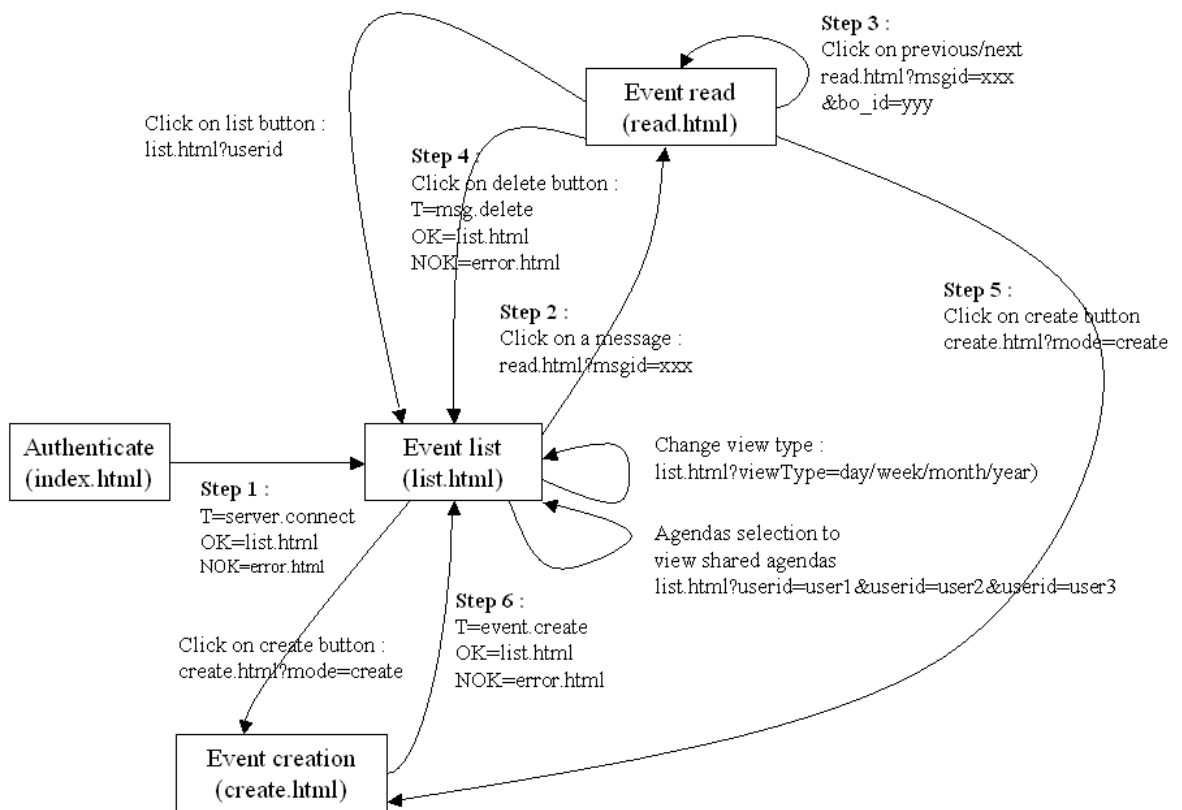
</html/common/forum/list.html?connexionType=news&T=folder.go&OK=list.html&NOK=error.html&folder=INBOX.t>

Chapter 6. WebCalendar : Designer's manual

Architecture

The WebMail web service is composed of 5 html templates as you can see in the following figure :

Figure 6-1. WebMail state diagram



- *index.html* authenticates you against IMAP4 or POP3 mail server
- *list.html* lists all the messages you have in your INBOX. If you are using IMAP4, you can change folder and/or file messages.
- *read.html* shows the message details and body
- *create.html* permits the message creation (new message, reply, forward, ...)

Chapter 7. Developer's manual

Chapter 8. System Administrator's Manual

Installation

Steps vary from Unix to Win32 installation. Follow instructions according the platform you use.

Unix

Win32

To make things easier for you, I collected all the software you need in 3 parts (because of copyright restriction). Just download them then follow the instruction according the platform you use.

- OpenSource software : this part contains
- Sun software :
- MySQL software :

Configuration

The Babel Objects Web Services Framework must be configured properly. Go and read carefully this section before going further. Once The Babel Objects Web Services Framework is configured properly, you can go and configure the WebCalendar web service, based on two files stored in */usr/local/babelobjects/conf* for Unix System or *Program Files/BabelObjects/Conf* for Win32 System.

- *webcalendar.xml* that specifies various parameters like color for working or non working days...
- *webcalendar-db.xml* that specifies information for database connexion.

Database creation

WebCalendar uses one database called "agenda" and one table in this database, called agenda too, that looks like this :

```
create database agenda;
use agenda;

create table agenda (
  userid char(255) not null,
  createtimestamp char(20) not null,

  description text,
  title varchar(255),
  priority varchar(255),
  type varchar(255),
  share varchar(255),

  beginyear char(4),
  beginmonth char(2),
  beginyear char(2),
  beginhour char(2),
  beginminute char(2),
  beginseconde char(2),

  endyear char(4),
  endmonth char(2),
  endday char(2),
  endhour char(2),
  endminute char(2),
  endseconde char(2),

  primary key(userid, createtimestamp)
)
```

To create this table for MySQL, just copy & paste the following lines in a file called agenda.sql, then :

```
mysql < agenda.sql
```

Start

Everything is installed. Let's go.

