User documentation

J.O.I.E : Just Order Instantly Easily

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J.O.I.E's goal is to ease the restaurant management, bar or hotel. It is composed with 3 interfaces which will simplify the order capture. This document will help you to install, configure, and use our system. The project revision which matches our document is the 193 of the SVN.

Description of the document

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1. Global presentation

1.1. J.O.I.E's goal

J.O.I.E's system has been created to ease the management of restaurant, hotel or bar especially by taking the order automatically.

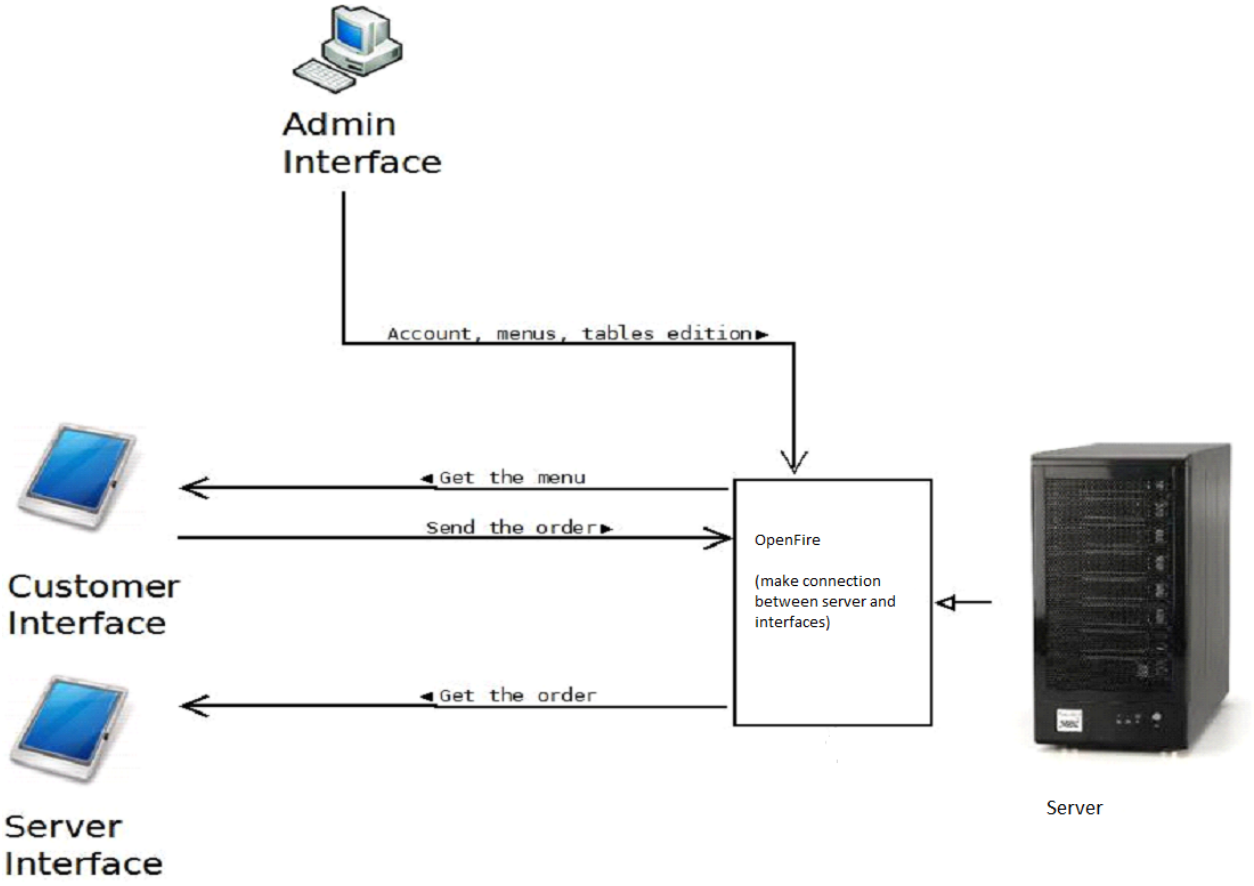
It can also be used as archive with the order history.

1.2. Description

Each user type will have his own interface to manage his action :

- The customer will access to a tactile menu built-in a tablet or a screen which allow ordering products. The tactile menu is represented by a list, where he can add/remove products to his basket.
- The staff will have a tactile terminal where they can see all the orders.
- The admin will create and modify his menu with the software compatible Windows and Linux.

Figure 1.Diagram of J.O.I.E functioning



1.3. Materials required

For install and use J.O.I.E, you must have a computer and one or more tactile interfaces of the type Tablet. The physic configuration and software of your computer must match the compatibility which are displayed below :

Operating system		Windows XP or superior or GNU/Linux(ex :Ubuntu 10.10, Fedora 12 or superior)
Connection type	Using	Wifi
	Installation	High speed(strongly recommended)
Hard drive space	Server	200 Mo
	Tablet	100 Mo
Python (*)		2.6 to 3.2 Version(**)
Java (*)		Version 6 (**)
Versioning softwares		Mercurial and Git(TortoiseGit and TortoiseHg for windows)

(*) *J.O.I.E is developed in Python and the server in JAVA, that's why it is essential to have a Python and JAVA version. This software type is free and available for download on Internet. (http://python.org) (http://www.java.com/)*

(**)We can't guarantee the compatibility with newer version.

2. Installation

2.1. Windows

2.1.1.Server

2.1.1.1. Openfire installation

Download and execute Prosody

http://www.igniterealtime.org/downloads/download-landing.jsp?file=openfire/openfire_3_7_0.exe

2.1.1.2. SleekXMPP installation

In the same folder, get SleekXMPP with TortoiseGit using this URL

git://github.com/louiz/SleekXMPP.git

2.1.1.3. Hostname configuration

With your file editor, open /etc/host with the administrator rights then add those 2 lines:

```
127.0.0.1  joie
127.0.0.1  pubsub.joie
```

2.2. GNU/Linux

2.2.1. Automatic server installation

Open a terminal then do those commands:

```
wget http://dev.louiz.org/users/briefcase/restros/sv_install.sh
sudo sh sv_install.sh
```

2.2.1. Automatic client installation

Open a terminal then do those commands:

```
wget http://dev.louiz.org/users/briefcase/restros/cl_install.sh
sudo sh cl_install.sh
```

2.2.2. Manual server installation

2.2.2.1. Openfire installation

On Ubuntu :

Open a terminal then do those commands:

```
add-apt-repository ppa:ferramroberto/java
apt-get update
apt-get install build-essential sun-java6-jre
wget
http://www.igniterealtime.org/downloadServlet?filename=openfire/openfire_3.7.0_all.deb
dpkg -i downloadServlet\?filename\=openfire%2Fopenfire_3.7.0_all.deb
rm -f downloadServlet\?filename\=openfire%2Fopenfire_3.7.0_all.deb
```

Others systems GNU/Linux :

Open a terminal then do those commands:

```
wget http://prosody.im/tmp/0.8.0rc2/prosody-0.8.0rc2.tar.gz
tar -xvf prosody-0.8.0rc2.tar.gz
cd prosody-0.8.2rc2
wget http://dev.louiz.org/users/briefcase/louiz/prosody.cfg.lua

wget http://www.igniterealtime.org/downloads/download-
landing.jsp?file=openfire/openfire_3_7_0.tar.gz
tar -xvf openfire_3_7_0.tar.gz
cd openfire_3_7_0/bin
./openfire
```

2.2.2.2. SleekXMPP installation

Open a terminal then do those commands :

```
mkdir joie
cd joie
hg clone http://hg.louiz.org/joie
git clone git://github.com/louiz/SleekXMPP.git
```

2.2.2.1. Hostname configuration

With your file editor, open /etc/host with the administrator rights then add those 2 lines:

```
127.0.0.1  joie
127.0.0.1  pubsub.joie
```

3. Interfaces presentation

3.1. Administration interface

3.1.1. Description

J.O.I.E system enables you to manage the building. You can add tables or rooms. To do that, you need to create a « table » account. Each « table » account has to be associated with a « waiter » account representing a person that will take care of its associated « table » accounts.

From the administration interface, the owner, or the person in charge of the building can create, edit of delete one or more menus. Each change is sent and updated on the tablet of the customer.

Each table has to be handled by one or more waiter; that's why one or more « waiter » account(s) has to be associated with one or more « table » account(s).

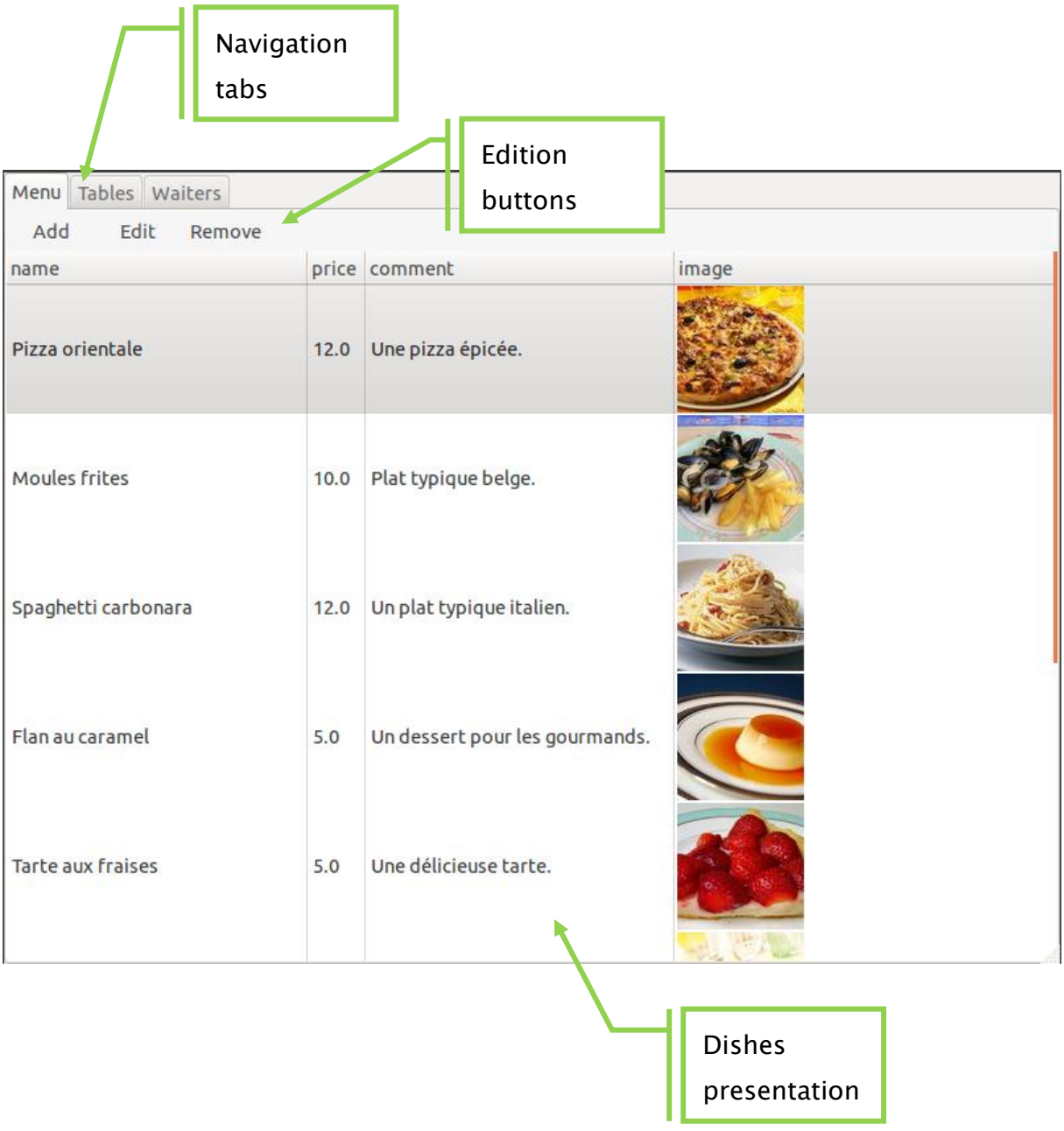


Figure 2.Administration interface

3.1.2.Database management

3.1.2.1. Employees account management

Creating employee account

On the « waiters » tab, click on the « add » button and fill the form. The fields marked with a « * » are mandatory

Note: if one of the fields is invalid an error message will appear.

Remove a employee account

On the « waiters » tab, select the account that you want to remove by clicking on it, and then click on the « remove » button.

Note: you will need to confirm your manipulation.

3.1.2.2. Tables management

Creating a table

On the « Tables » tab, click on the « Add » and fill the requested fields. The fields marked with a « * » are mandatory.

Note: if one of the fields is invalid an error message will appear.

Remove a table

On the « Tables » tab, select an account to delete by clicking on it, then click on the « remove » button.

Note: you will need to confirm your manipulation.

3.1.2.3. Associating a waiter account with a table

On the « waiters« tab, click on « Associate a waiter with a table » and then fill the needed fields

Note: if the « waiter » or « table » account is not indicated, an error message will pop up.

3.1.2.4. Menu edition

Add a dish

On the « Menu » tab, click the « Add » button to add a now dish and fill the form. The fields marked with a « * » are mandatory.

Note: if one of the fields is invalid an error message will appear.

Remove a dish

On the « tables » tab, select a dish to delete by clicking on it, then click on the « remove » button.

Note: you will need to confirm your manipulation.

Edit a dish information

On the « tables » tab, select a dish to edit by clicking on it, then click on the « Edit » button. Then edit the fields of the form.

3.2. Customer interface

3.2.1. Presentation

The client can navigate in the menu from the navigation area. They can read the detailed list of available articles then pass command.

The interface is divided in three parts:

- The navigation area
- The article list, with which they pass the order
- The command summary

Figure 3.Customer interface

3.2.2.Navigation

The customer can navigate between the dishes category (main dish, set menu, dessert) thanks to the tab system. By using the horizontal scrolling bar, he can choose a sub-category of food (beef, chicken, fish, vegetarian).

3.2.3.Ordering

The customer must use the + and - buttons on the right of the dish presentation. The + button will increase the quantity whereas the - button will decrease it.

The « Order » button will display a resume of the order. After a last verification, the order can be send by the « Send » button.

3.2.4.Order summary

When a order is sent, a summary with all of the products will appear.

Form this page, the custumer will see the status of each dishes. Depending of the manager's choices, the status could be:

- Preparing
- Delivering
- Waiting for approval
- Delivered

4. Conclusion

This document is updated according to the project's progress. You may encounter some installation issue since we didn't test every possibility and hardware configuration yet.

4.1. Contacts

In case you need to take contact with the support or development team, contact us:

- on our forum: http://dev.louiz.org/project/joie/forum
- by e-mail: joie_2012@labeip.epitech.eu

Stay tuned on the project progress on:

http://eip.epitech.eu/2012/joie/contact.html

4.2. F.A.Q

Why the name J.O.I.E ?

The « J.O.I.E » acronym was means « Japanese Order Interactive Entertainment » in reference to the a touch screen system invented and used in Japanese restaurants. But we then decided to change that meaning to « Just Order Instantly Easily ».

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