

Alexis MANDIN

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My Projects

This document aims to present some of projects I have completed or participated. These last are ordered by language or programming domains and realisation time.

If you want more details on one or more projects, or if you desire to have the source code, you can contact me at this email address:

alexis.mandin@hotmail.com

For most projects, as you can see, I'll be able to provide you with information and source code.

At the end of the document, you can find some appreciations of my previous employers.

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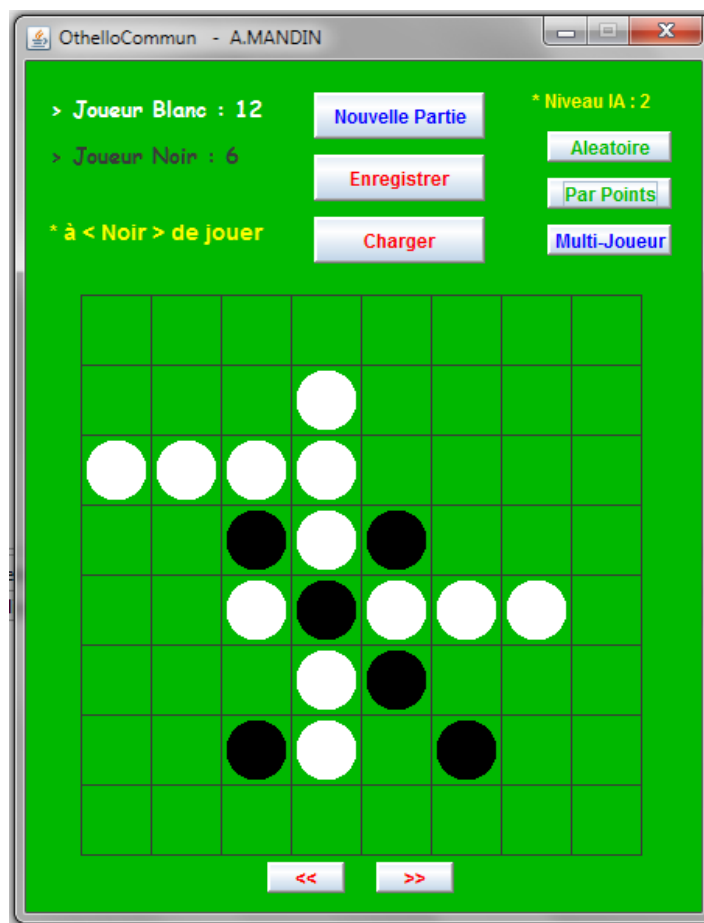
Java Language

1 Othello

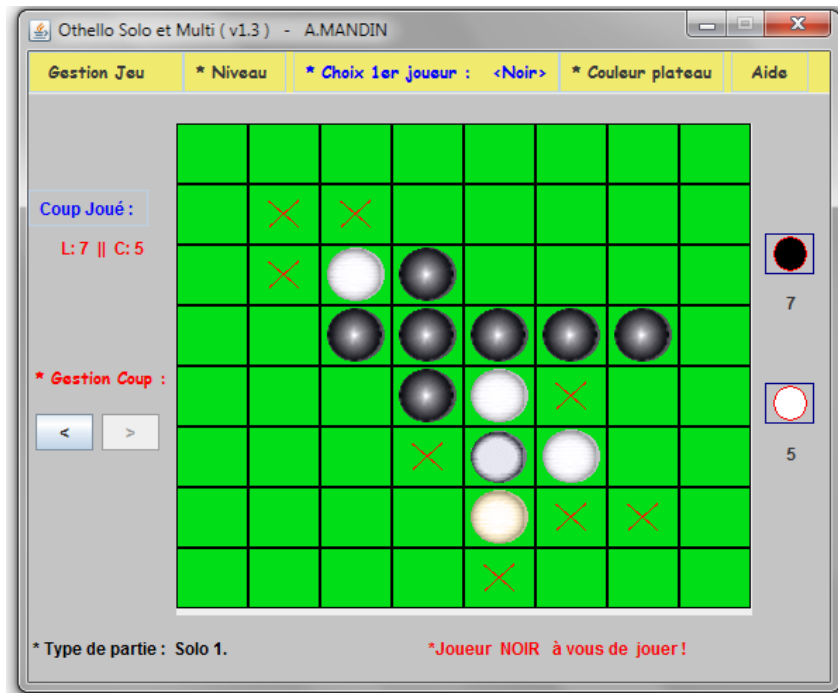
- **Year of development** : 2007
- **Context** : student project
- **Development team** : alone
- **Source code available** : yes
- **Description** : game whose goal is to get the most of pieces of his color when the game ends.
- **Additional Features** : single player and multiplayer, backup management, cancel the move.
- **Tools** : IDE Eclipse, SWING library
- **Remarks** : Done in 2 versions.

The first with a library given by the teacher to draw the GUI.

The second done personally A to Z.



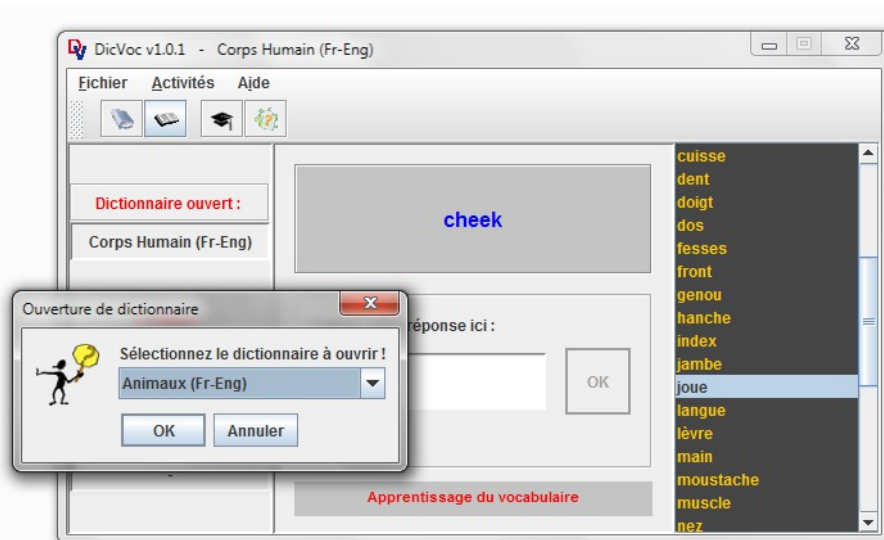
Othello - Version 1



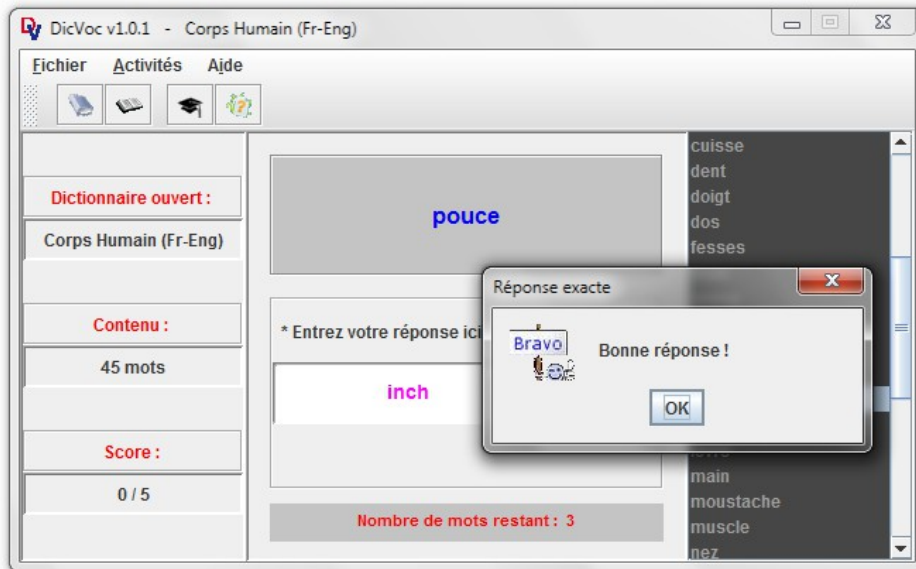
Othello - Version 2

2 DicVoc

- **Year of development** : 2008
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : program done to help in learning of the language vocabulary. Create custom dictionaries available.
- **Tools** : IDE Eclipse, SWING library



DicVoc – Opening a dictionary



DicVoc – Testing mode

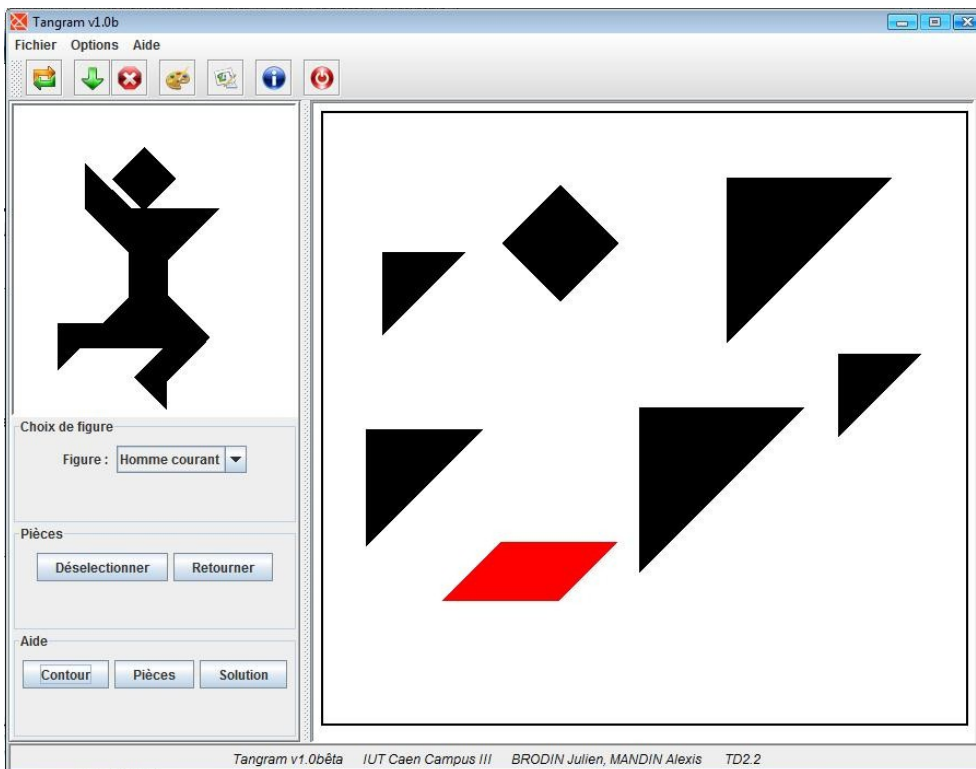
3 *Stratego for mobile phone*

- **Year of development** : 2009
- **Context** : student project
- **Development team** : 4 students.
- **Source code available** : yes
- **Description** : game whose aim is to discover the location of the other team's flag and destroy it through various units available.
- **Additional Features** : single player or multiplayer through bluetooth connection, can save the game.
- **Tools** : IDE Eclipse with Eclipse ME plug-in, Java J2ME, Sun Java(TM) Wireless Toolkit 2.5

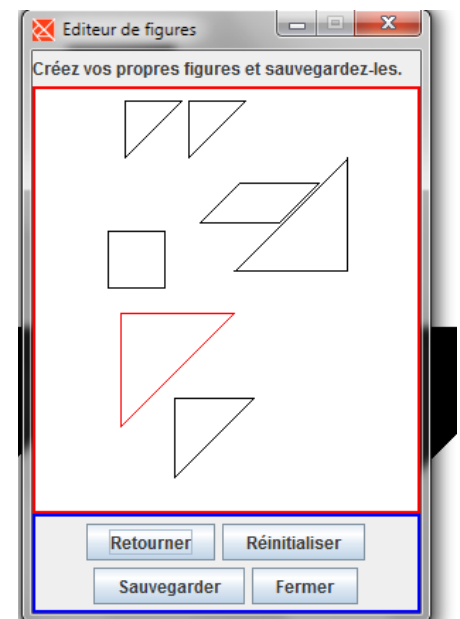


4 Tangram

- **Year of development** : 2009
- **Context** : student project
- **Development team** : 2 students
- **Source code available** : yes
- **Description** : game whose aim is to done the figure represented by the model.
- **Additional Features** : Figures editor, import of new figures.
- **Tools** : IDE Eclipse, SWING library



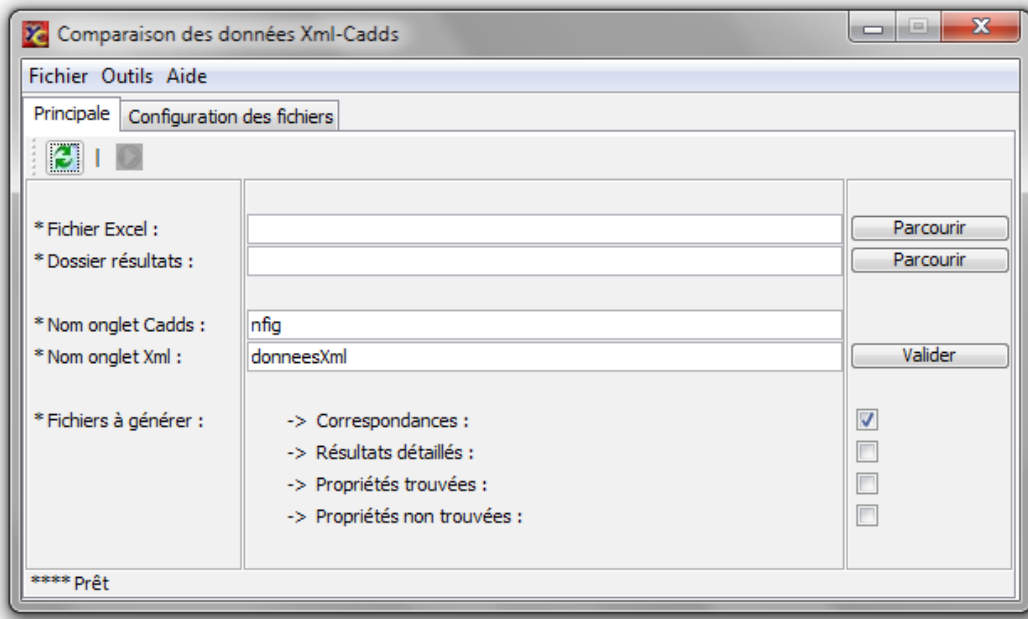
Tangram – Main screen



Tangram – Figures Editor

5 Comparaison

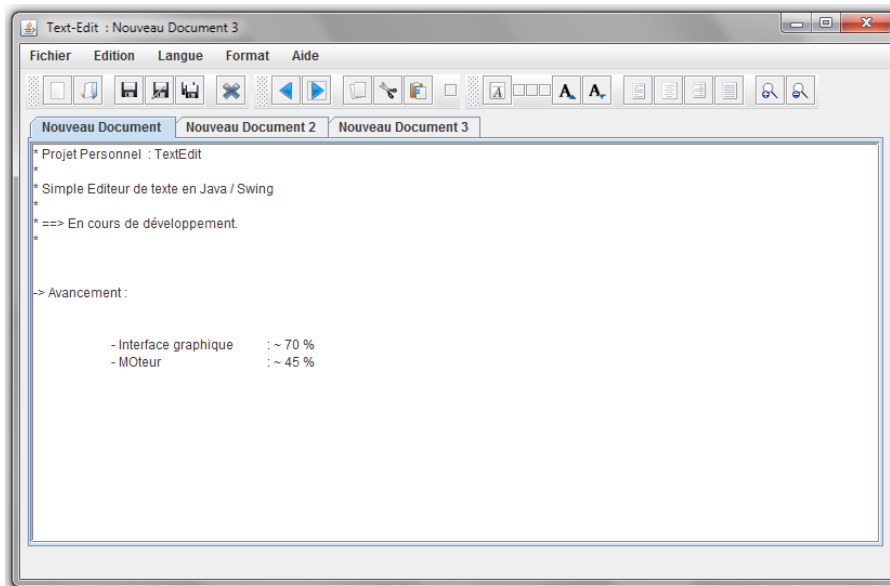
- **Year of development** : 2010
- **Context** : placement project
- **Development team** : ender a chief orders
- **Source code available** : no
- **Description** : program whose goal is to control the copying datas from one system to another. Datas are stored in an Excel file.
- **Tools** : IDE Eclipse, SWING library



Datas comparison

6 *TextEdit*

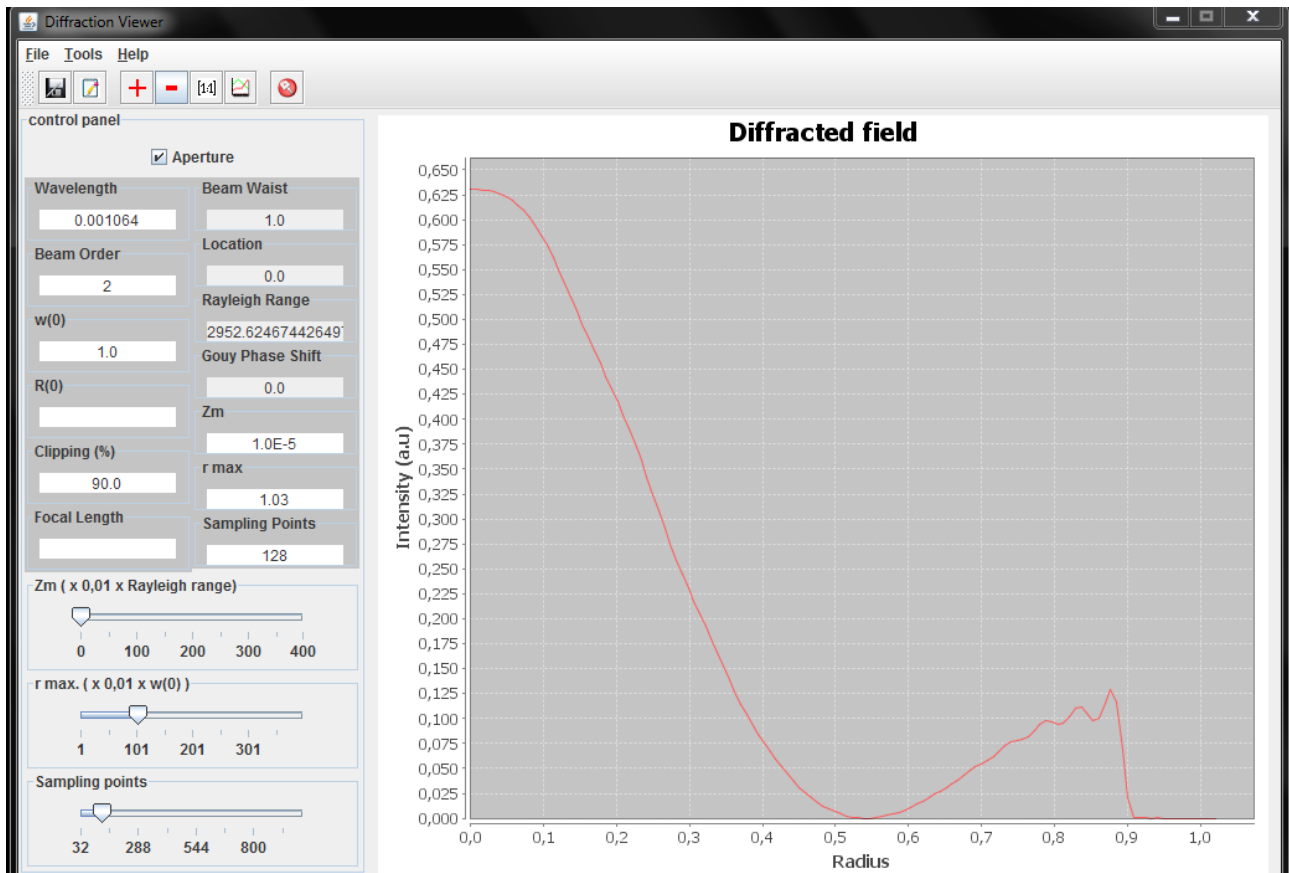
- **Year of development** : 2010 (to achieve)
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : simple text editor made for educational purposes.
- **Tools** : IDE Eclipse, SWING library



TextEdit

7 Diffraction viewer

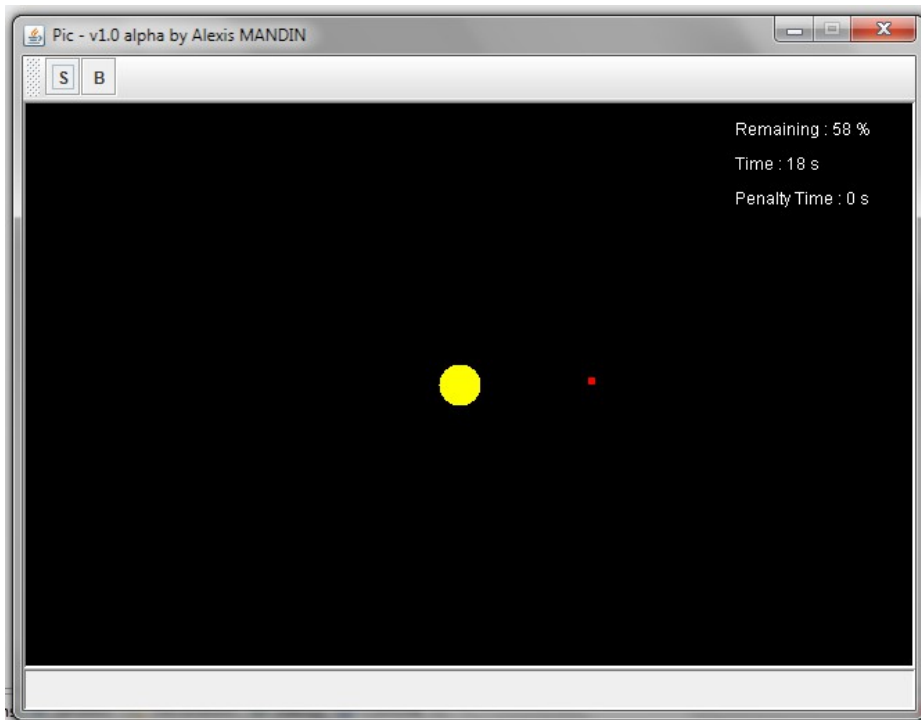
- **Year of development** : 2010
- **Context** : student project
- **Development team** : 2 students
- **Source code available** : yes
- **Description** : application which allows to view the diffraction of waves.
- **Tools** : IDE Eclipse, SWING library



Main screen

8 Pic

- **Year of development** : 2011 (under development)
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : game whose aim is to direct an object on a target to destroy it as quickly as possible.
- **Tools** : IDE Eclipse, SWING library



Pic

Web Programmation

1 *Tour de France 2008*

- **Year of development** : 2008
- **Context** : student project
- **Development team** : alone
- **Source code available** : yes
- **Description** : site to manage the database of the “Tour de France 2008”.
- **Tools** : IDE Notepad++, Html, Php, Oracle data base



Tour de France 2008

2 *Ambrio*

- **Year of development** : 2009
- **Context** : placement project
- **Development team** : under a chief order
- **Source code available** : no
- **Description** : Laboratory Information Management System
- **Tools** : IDE Notepad++, Html, Php, Smarty, Ajax, Javascript, MySql

Bienvenue sur la base de données Ambrio !

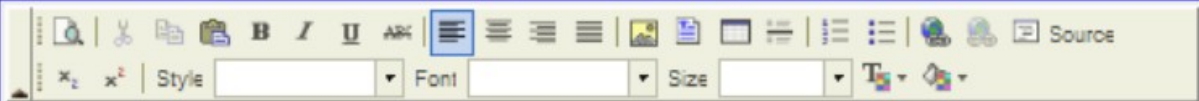
Événements.

Aucun événement à signaler.

Août 2009

Lu	Ma	Me	Je	Ve	Sa	Di
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						
<input type="button" value="←"/>						<input type="button" value="→"/>

Ambrio - Home

Modèle	Manipulation	Résultats
Nom expérience *	<input type="text"/> (les accents seront supprimés)	
Date *	<input type="text"/>	Auteur : <input type="text"/>
Thème *:	Choisir un thème <input type="button" value="v"/>	<input type="text" value="Nouveau"/>
Sous-thème *:	Choisir un sous-thème <input type="button" value="v"/>	<input type="text" value="Nouveau"/>
<input type="checkbox"/> Associer une bibliographie.		
<div style="border: 1px solid gray; padding: 2px;">  </div>		

Ambrio

3 *La Brèqu'*

- **Year of development** : 2009
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : information website on renting an apartment
- **Tools** : IDE Notepad++, Html, Php, Javascript



La Brèqu'

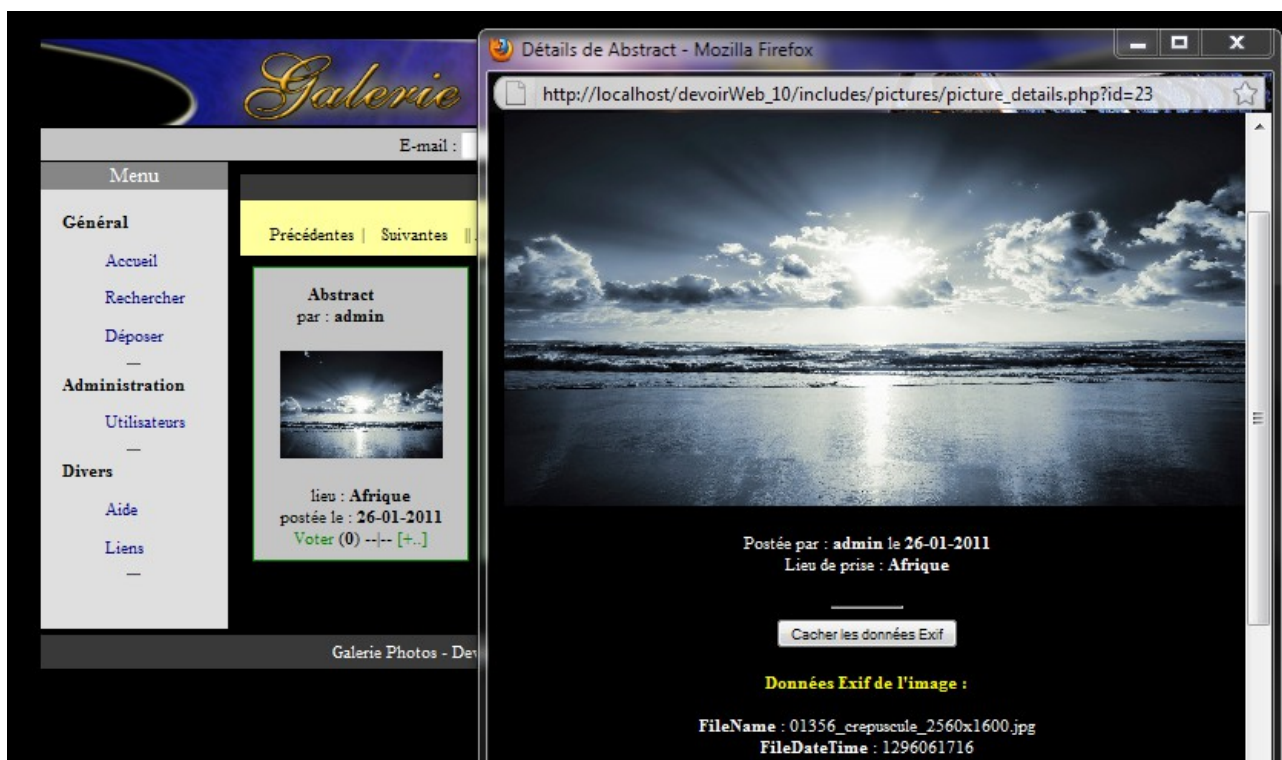
4 *Galerie Photos*

- **Year of development** : 2010
- **Context** : student project
- **Development team** : alone
- **Source code available** : yes

- **Description** : website which allows posting and viewing photos.
- **Tools** : IDE Notepad++, Html, Php, Javascript, MySql



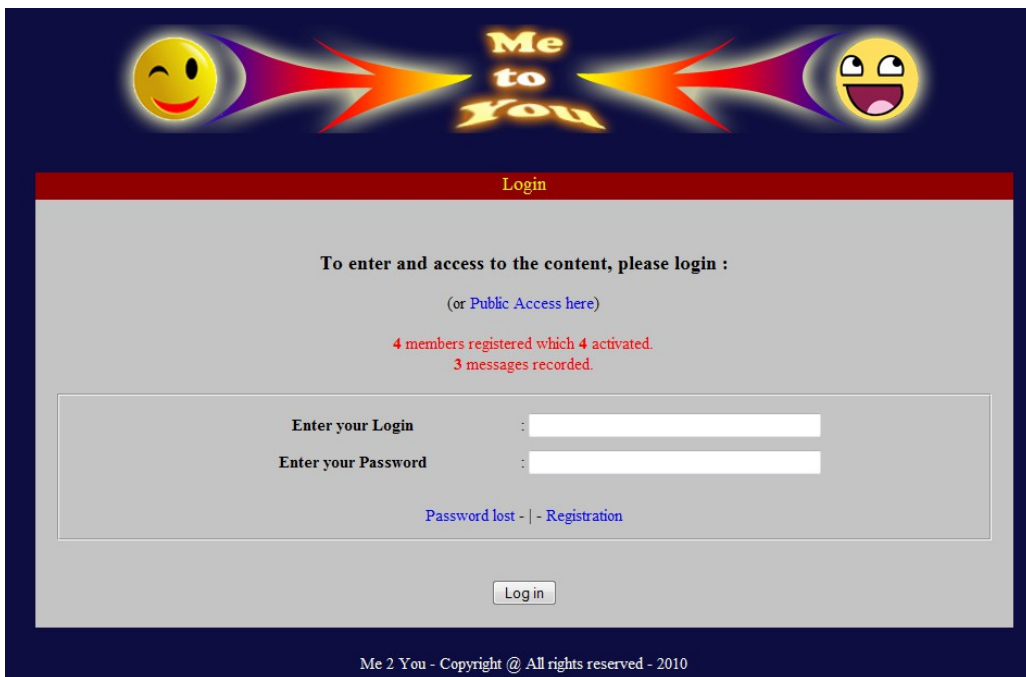
Galerie Photos - Home



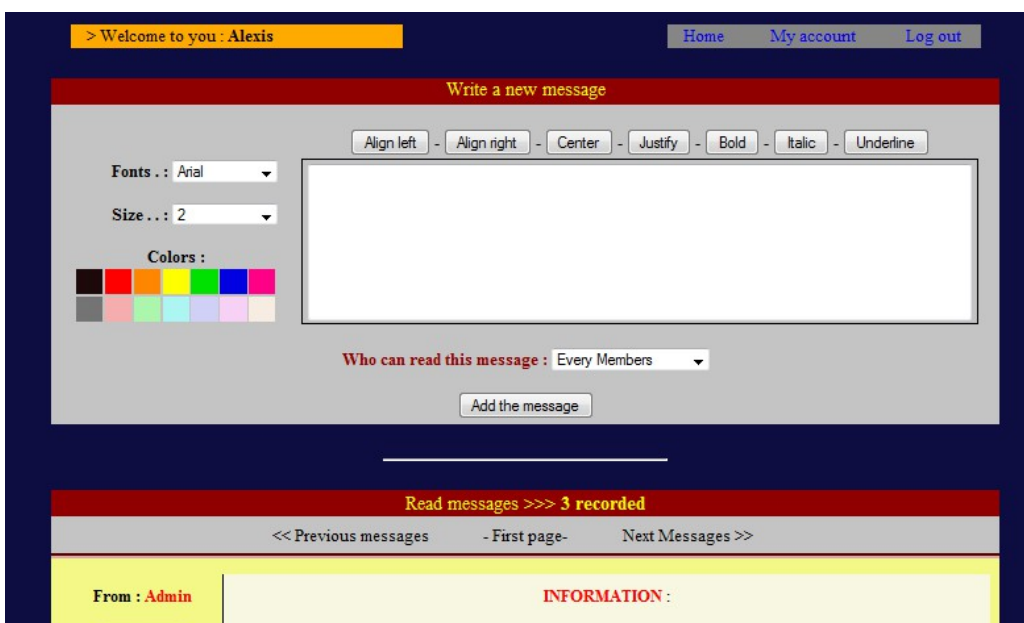
Galerie Photos – Detail of a picture

5 Me2You

- **Year of development** : 2011
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : Allows to post messages to any internet user, all registered users, or to a specific user.
- **Tools** : IDE Notepad++, Html, Php, Javascript, MySql



me2you - Home

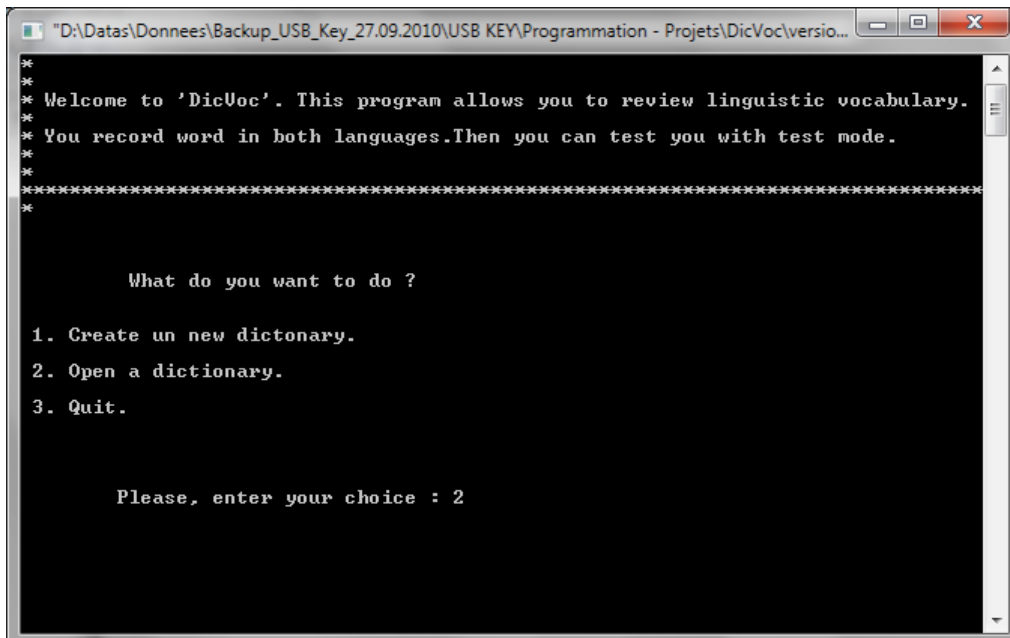


me2you – Main screen

C Language

1 *DicVoc (console mode)*

- **Year of development** : 2008
- **Context** : personal project
- **Development team** : alone
- **Source code available** : yes
- **Description** : program done to help in learning of the language vocabularies. Create custom dictionaries available.
- **Tools** : IDE CodeBlock

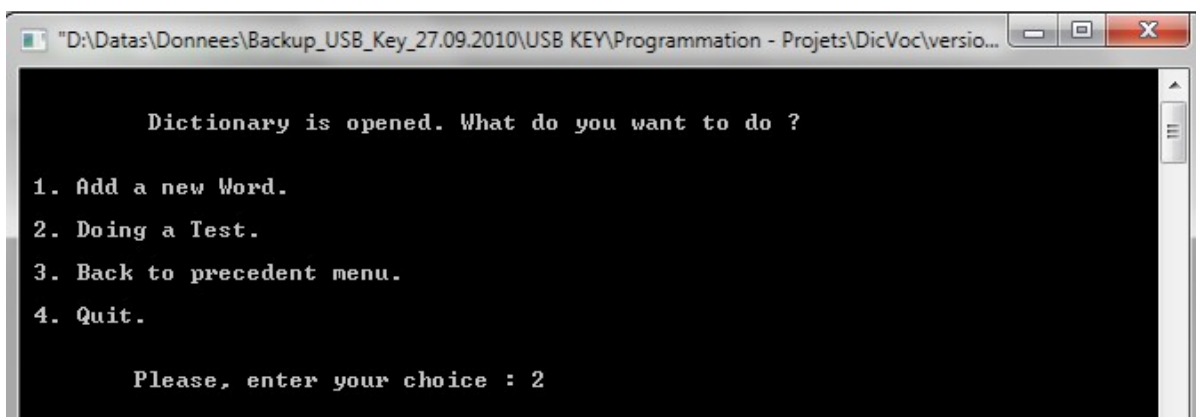


```
"D:\Datas\Donnees\Backup_USB_Key_27.09.2010\USB KEY\Programmation - Projets\DicVoc\versio...
**
** Welcome to 'DicVoc'. This program allows you to review linguistic vocabulary.
** You record word in both languages. Then you can test you with test mode.
**
**
*****
**
What do you want to do ?

1. Create un new dictionary.
2. Open a dictionary.
3. Quit.

Please, enter your choice : 2
```

DicVoc - Home



```
"D:\Datas\Donnees\Backup_USB_Key_27.09.2010\USB KEY\Programmation - Projets\DicVoc\versio...
Dictionary is opened. What do you want to do ?

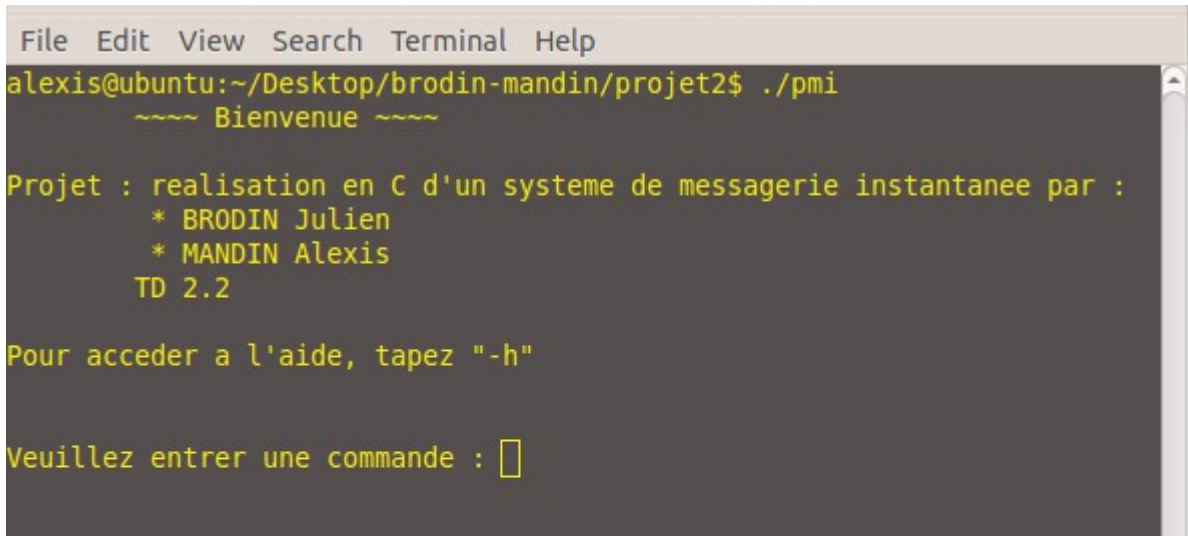
1. Add a new Word.
2. Doing a Test.
3. Back to precedent menu.
4. Quit.

Please, enter your choice : 2
```

DicVoc – Choose an activity

2 *Messagerie Instantanée*

- **Year of development** : 2009
- **Context** : student project
- **Development team** : 2 students
- **Source code available** : yes
- **Description** : Instant messaging between different Linux consoles.
- **Tools** : IDE Gedit



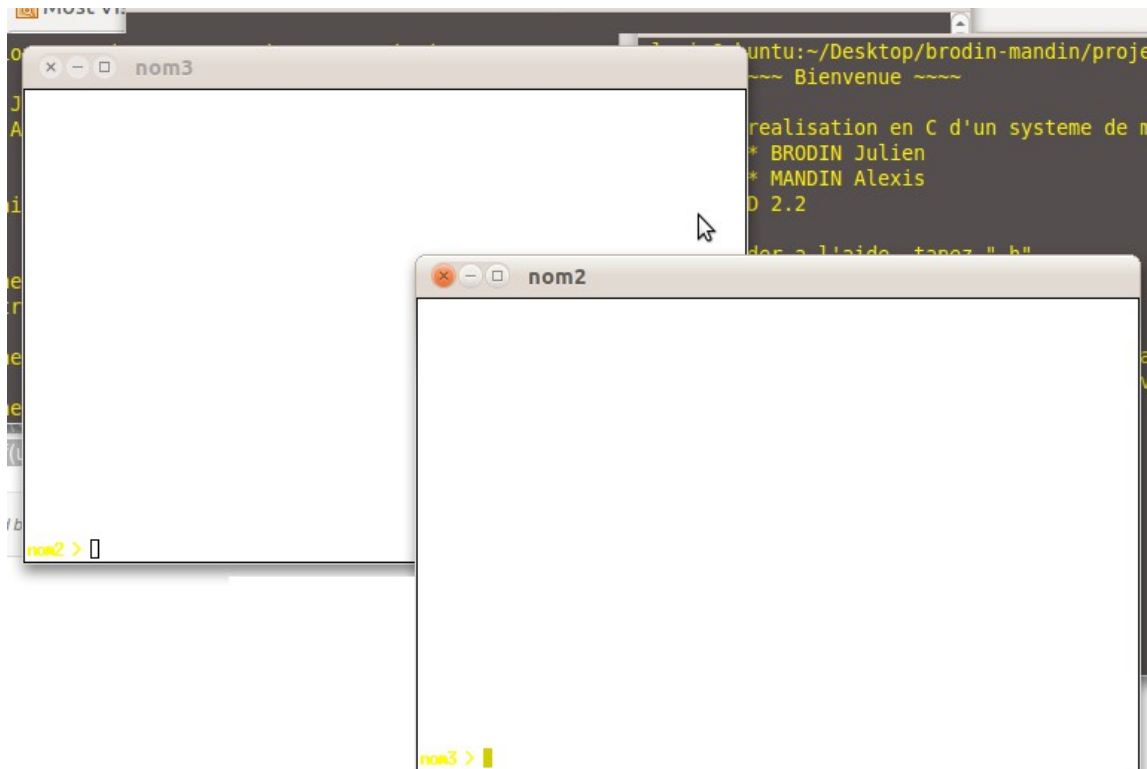
```
File Edit View Search Terminal Help
alexis@ubuntu:~/Desktop/brodin-mandin/projet2$ ./pmi
  ~~~ Bienvenue ~~~

Projet : realisation en C d'un systeme de messagerie instantanee par :
  * BRODIN Julien
  * MANDIN Alexis
  TD 2.2

Pour acceder a l'aide, tapez "-h"

Veuillez entrer une commande : 
```

Messagerie Instantanée - Home

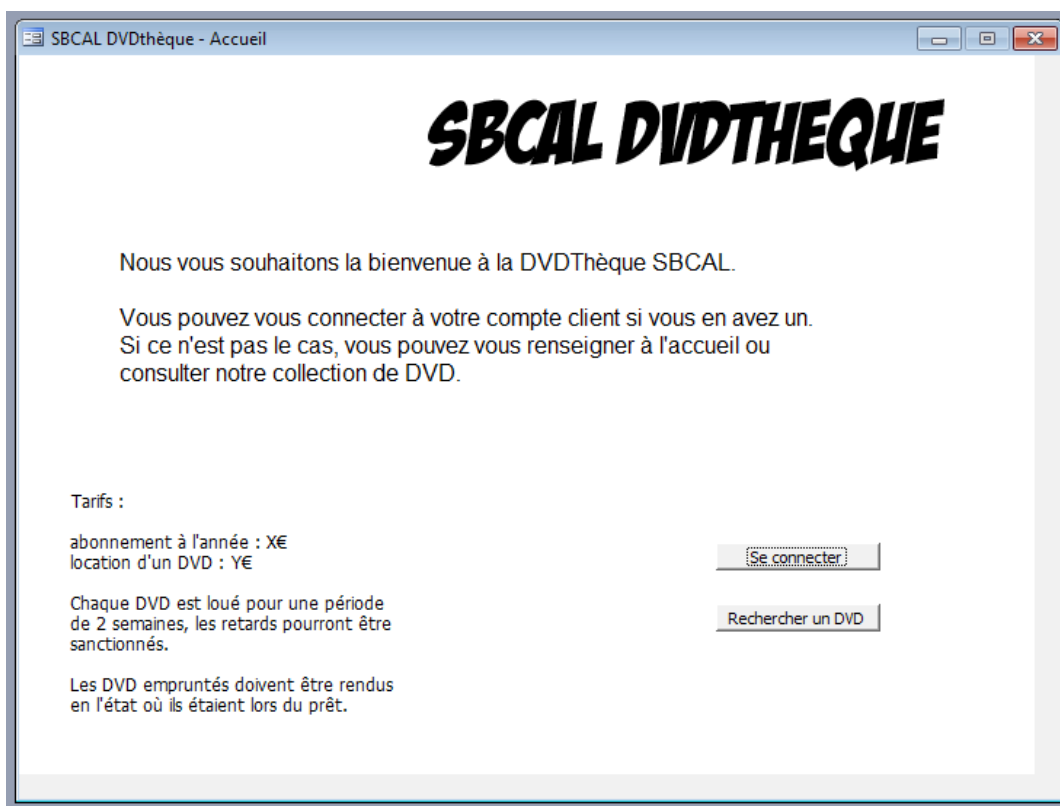


Messagerie Instantanée - dialog boxes

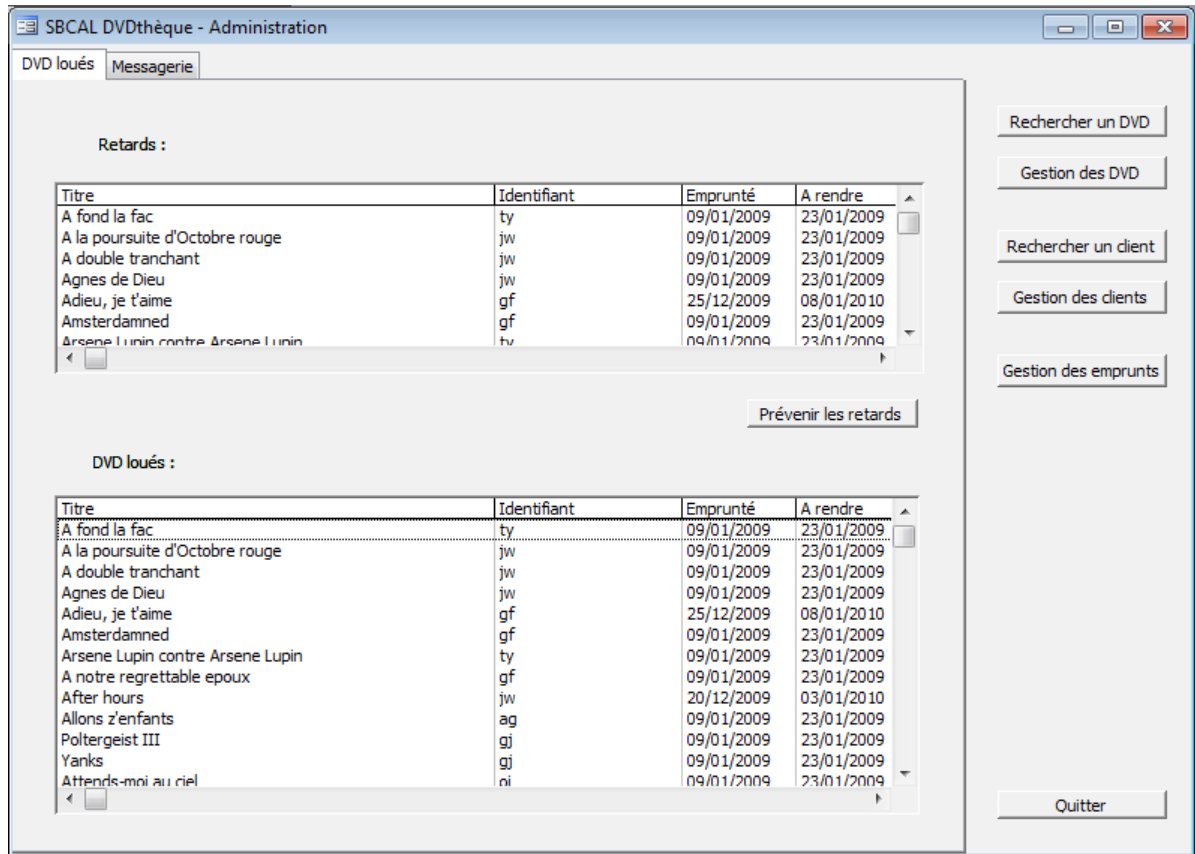
Visual Basic Access

1 DvDThèque

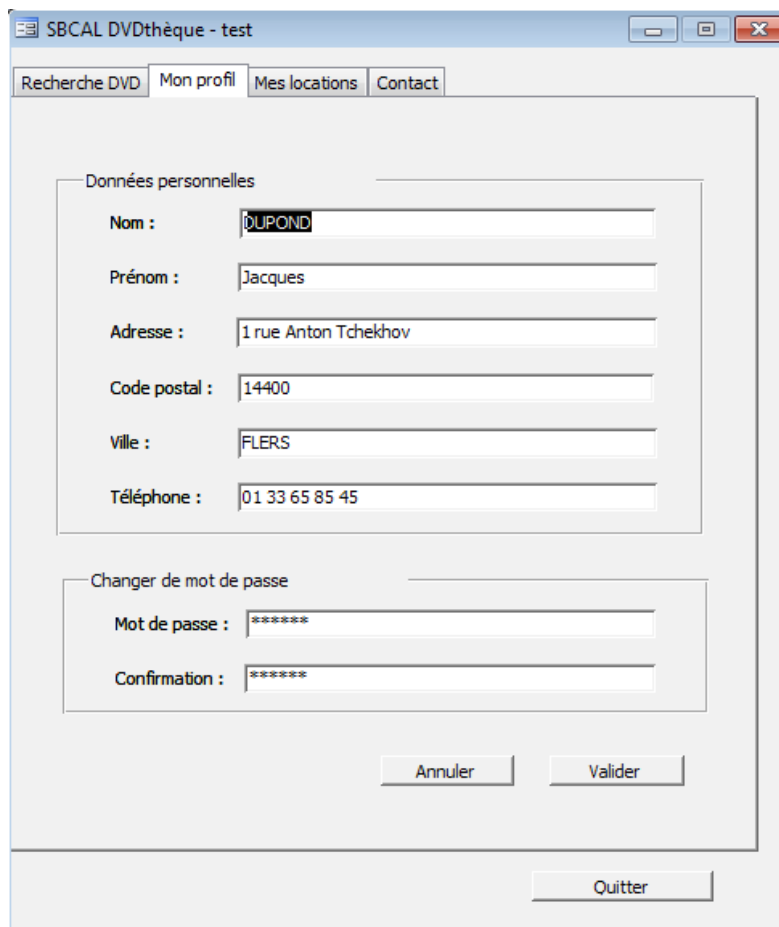
- **Year of development** : 2008
- **Context** : student project
- **Development team** : 2 students
- **Source code available** : yes
- **Description** : complete system to manage DVD, customers, locations, etc. ...
- **Tools** : Microsoft Access 2003



DvDThèque - Home

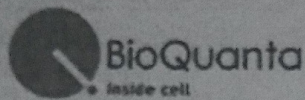


DvDThèque – Administrator view



DvDThèque – Customer view

Employers's Appreciations



Nicolas DELACOTTE
Dept. of structural biology
nicolas.delacotte@bioquanta.net
Mob. 06 63 66 41 92

Paris, le 19 mai 2009

Objet : Lettre de recommandation

À qui de droit,

En tant que responsable de l'informatique et membre de l'équipe de recherche de BioQuanta, j'ai supervisé Alexis Mandin lors de son stage de deuxième année d'IUT Informatique, d'avril à juin 2009.

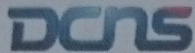
Alexis a été accueilli dans le département de recherche et développement en biologie moléculaire de BioQuanta, ce qui lui a permis de collaborer avec nos équipes de scientifiques, chercheurs, doctorants et ingénieurs. Il a eu pour mission la conception, le développement et le déploiement d'un outil de gestion automatisé de laboratoire (LIMS) spécifique à notre unité de recherche.

A cette occasion, Alexis a assisté à la conception d'un modèle conceptuel de donnée qu'il a ensuite implémenté en une base de type MySQL tout en développant une interface utilisateur grâce au langage php, déployée sur un serveur apache.

Quoi que relativement discret, Alexis est un étudiant fiable et responsable, toujours à l'écoute des suggestions et des propositions que nous lui avons faites. Il a toujours été capable d'adapter son travail en fonction de nos besoins, ce qui lui a permis de développer un outil correspondant parfaitement à nos attentes.

D'une très grande assiduité et vraisemblablement passionné par l'informatique et le développement de logiciels, Alexis est tout à fait apte à poursuivre ses études par la voie de l'apprentissage au sein de votre Institut de Formation d'Ingénieurs, ainsi je vous recommande vivement sa candidature.

Nicolas Delacotte
D.S.I.
BioQuanta SA



DCNS site Cherbourg
Place Bruat
BP 440
50104 CHERBOURG-OCTEVILLE CEDEX

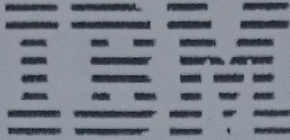
Objet : Stage Alexis MANDIN (Avril à juillet 2011)

Dans le cadre de son stage au pôle PLM de DCNS, nous avons demandé à Alexis de réaliser un outil de contrôle d'Objets Métier. Les objets métier sont des composants du "Système d'Information Technique pour le Navire Armé" de DCNS. Le contrôle OM consiste à déterminer le type d'un objet à partir de ses propriétés et à mettre en évidence les objets rejetés.

Le développement a été réalisé en Java/XML et interfacé avec EXCEL.

Alexis a bien compris le travail demandé et a été relativement autonome sur le sujet. Il a démontré qu'il savait mener à bien un développement informatique de la phase de spécifications détaillées jusqu'à l'intégration avec une bonne maîtrise des technologies utilisées. Alexis a également mis en évidence ses compétences d'expression par écrit dans la documentation qu'il a rédigée.

Hubert HENNEQUIN
DCNS/DGA/DSI/DED/POLE PLM/CAP-ES
Tél : (02 339) 56 333



Ho Chi Minh, February 29th 2012

Dear Sir,

I certified hereafter that Mandrin Alexis is one of the best participants of IBM iSeries Competency Center in Vietnam.

His activity on Alizee is of the most importance for the Geodis project, and his role as a Business Analyst, has made him a major contributor to the success of this project.

Alexis has acquired a very acute competency in testing. Moreover his professional behavior within the teams, including French and Vietnam ones, have driven him to be recognized by every people.

By a full involvement and availability on every task, Alexis has achieved to maintain the goals on target.

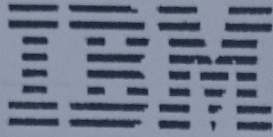
I eagerly give my endorsement of Mandrin Alexis's skills and professionalism with the highest praise. Please, feel free to contact me directly for any further details.

With best regards,

A handwritten signature in black ink, appearing to read 'Anh Tu', is located below the closing text.

Nguyen Anh Tu

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Global Delivery Center - IBM Vietnam
Phone: +84-8-37 24 43 64
Mobile: +84-9-04 78 57 47
e-mail: tuna@vn.ibm.com



LETTER OF RECOMENDATION

To Whom It May Concern

I'm pleased to write this letter of recommendation for Mr. Alexis MANDIN who had been working for IBM GDC VN in the Logistics project- GEODIS from 4 April 2011 to 15 April 2012.

During this time, he showed as a good Business Analyst and Translator having the following characteristics :

- **Supportive** : As an excellent French speaking, he was always willing to help people in reviewing and editing carefully and correctly all project's documents for the others with the best result.
- **On time and voluntarily** : He strictly followed the project plan and always try his best to complete tasks on time. He even was willing to work overtime to complete the urgent tasks.
- **Willingness to accept responsibility** in performing in the difficult tasks.
- **Self-knowledge**: he was always try to teach himself and enrich knowledge in the spare time or waiting time. He also showed the good ability in receiving the knowledge transfer.

In conclusion, with these characteristics above, I strongly believe that Alexis will bring good contribution for the company he works for.

Vũ Đình Anh Thư
BA & Tester Team Leader
IBM GDC Vietnam
Mobile: +84 (0) 903715802