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University of Wollongong

南京地理信息系统
Nanjing Geography Information System

Development Background

When surfing on the Internet, I occasionally found the MapX module. I was interested in it. After reading the Help Document, I decided to create the Nanjing Geography Information System. On one hand, it would help to develop my knowledge of the MapX Component; on the other hand, it would make it convenient for me to go outside without worrying about losing the direction.

Major Functions

▶ Automatic Search

According to the classification, the users can select the place name that they would like to search in the list.

▶ Manual Search

The users input a key word, and the system provide the related answers.

▶ Surrounding Search

Provide information on public facilities such as bus stops, restaurants, hospitals, schools, libraries, etc around the requested place within a certain radius.

▶ Search the Nearest

Provide a shortest path to the destination from current position.

▶ Bus Exchange Search

According to users inputs of current location and the destination, the system would provide the optimized suggestions on the bus exchange.

Technical Difficulties

- MapInfo MapX® is a cost-effective, robust ActiveX component, enabling developers to add mapping functionality to any application - quickly and easily.

- VISUAL BASIC is a high level programming language. The integrated development environment provides a effective approach to design the system interface or a module of the whole system.

- Microsoft Access is a computer application used to create and manage computer-based databases on desktop computers and/or on connected computers (a network). It can be used for personal information management (PIM), in a small business to organize and manage all data.

- The intelligent algorithm and effeient model on designing the bus exchanging system.

下载地址：**Download** Http://www.cyberlark.org/Software/GIS.rar

完成时间：**Completed in** August, 2005

语音控制系统 V1.0

The Speech Controls System Version 1.0

Development Background
How to control computers with our voice? That is the question I often ask myself, and try to find the solutions to benefit the blind people, and let them to experience our convenient life from technology. When I heard of "Microsoft Speech Model", I might have the answer, and work them out from designing SCS.

语音控制系统 V1.0 [X]

命令(F11)

Setup　Exit　Hide

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Major Functions

▶ In the program, the users could press hot-key"F11" to active the form which receives your voice command. It is good news for disabled people.

▶ Run corresponding application programs with results coming from the voice recognition process.

Technical Difficulties

■ Usage of Microsoft Speech vision is that speech will become a mainstream, pervasive technology that is accessible by any device, at any time, and from any place. This means that speech-enabled applications should be accessible by standard telephones and by GUI-based devices like PDAs and PCs. The Microsoft vision includes enabling the convergence of the Web infrastructure and voice systems into one infrastructure.

请说指令......

1秒后自动关闭

Speaking...Closing the window with 1s
(After pressing hot-key F11)

■ Usage of system API Reference. Setting the hot key makes the program more efficient for users.

■ Microsoft Speech has the best compatibility performance with Visual Basic. VISUAL BASIC is a high level programming language. The integrated development environment provides a effective approach to design the system interface or a module of the whole system.

■ Usage of setting the icon in the Notification Area when program loaded. The main window shows up, by users double-click the icon.

下载地址：
Download Http://www.cyberlark.org/Software/Speech.rar

完成时间：
Completed in September, 2005

Java Gobang Game

Development Background This program is based on my self-study of the Java language. Through this project, I familiarized with the Java language, designed a special algorithm of "Gobang Game". I also learned the principle of connecting two PCs by the knowledge of TCP/UDP protocols and multi-threading processing.

Major Functions

▶ One Player Mode: Player against the computer by thealgorithm designed by myself..

▶ Two Players Mode: Two players can either play on the same computer or on different computers using the network.

▶ Two players play with the help of the Internet or the local network.

▶ Realize the "Undo" function; record every step, in order to analyze the situation for further analysis.

Technical Difficulties

■ The algorithmic of "Gobang Game". How to implement the intelligence of the program is the key.

■ The function of "Undo" Button by recording every step.

■ TCP protocol and SOCKET programming

■ Respond to the mouse Event

■ Multi-Threading Technology

■ Replant to Windows Mobile Platform. (Unfinished)

下载地址：
Download
Http://www.cyberlark.org/Software/WuZiQi.rar
Http://www.cyberlark.org/Software/WuZiQi_src.rar (Source files)
Http://www.cyberlark.org/Software/WuZiQi_doc.rar (Document files)

完成时间：
Completed in January, 2006

极限飞行小游戏

Extreme Flying Game

Development Background   An interested game made by myself for fun.

Major Functions

▶ Click the mouse, the aircraft goes up; release the mouse, the aircraft freely falls. The longer you fly the higher score you get.

▶ Fly across the object which randomly shows during the game to increase the flying speed, decrease the speed or clear the obstacle on the top and bottom.

▶ The Highest Score Record

Technical Difficulties

■ Respond to the mouse Event

■ The usage of various component such as timer, shape objects, images and random function.

下载地址: Http://www.cyberlark.org/Software/Plane.rar   (Setup)
Download Http://www.cyberlark.org/Software/PlaneVB.rar   (Source Files)
Http://www.cyberlark.org/Software/PlaneDoc.rar   (Documents)

完成时间: September, 2005
Completed in

学生素质评定管理系统
Students Comprehensive Assess System V1.0

Development Background
During my senior high years, I developed a DOS version of this program, which was awarded the second prize of Computer Skill Competition in Nanjing City, China. However I was not satisfied with the rough design interface and the single functionality. Therefore after 2 years, I developed the second Students Comprehensive Assess System by interviewing the school headmaster and re-considering the software requirement on Windows Platform.

Major Functions

▶ The management of students' basic information, including Name, Sex, Date of birth etc

▶ The management of students' final examination results.

▶ The analysis of students' examination results.

▶ The management of different users. They have different access limitation
▶ The Report output

David Software 关闭

学生素质评定管理系统 V1.0
Students Comprehensive Assess System

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技术支持
Daiwei920 @ sina.com

Technical Difficulties

■ Visual basic provides the fast solution to create the prototype of small-scale management information system.

■ Microsoft SQL is a computer application used to create and manage large databases on connected network.

■ Analyzing and processing the coming data. Draw the different chart (pie/bar/diagram) to achieve a rich user experience.

■ System Security. Different users have different access limitations.

■ The system creates each student a piece of comments automatically randomly, according to their examination results, which reduce the teachers work burden.

科目成绩分析
考试号 1   科目 语文
平均分 78.33
最高分 99
最低分 56

下载地址: Http://www.cyberlark.org/Software/SCAS.rar
Download Http://www.cyberlark.org/Software/Database.rar (MSSQL Database)

完成时间: April, 2005
Completed in

简单图象处理系统

Bmp File Manager

Development Background

This is final project of the "Digital Image Processing" course in my college. This MFC program is able to process the gray images of 8-bit, and doing some simple analyses in terms of inversing, rotatingthe image and distinguish difference between two images.
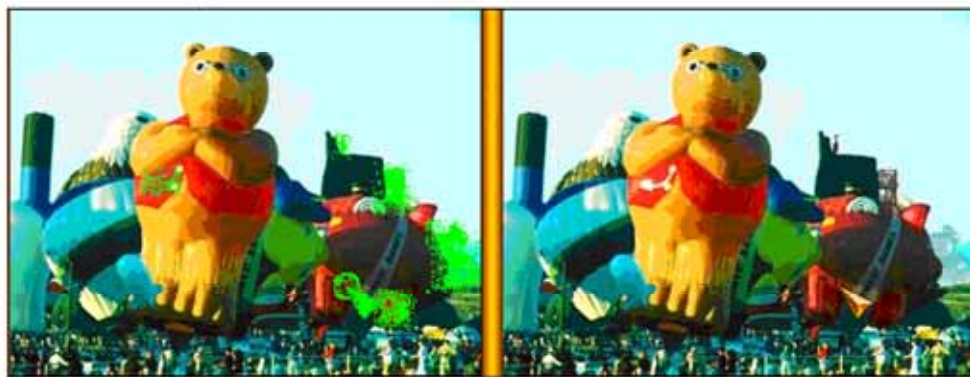

Major Functions

▶ Get the BMP-structure information

▶ Inverse the image

▶ Auto contrast adjustment

▶ Recolor the image

▶ Scale down the image

▶ Rotate the image

▶ Find difference between two images

Technical Difficulties

■ MFC framework program

■ The structure of BMP file

■ The knowledge about data structure and arithmetic

* The green parts are where the differences between two pictures lie.

下载地址: Http://www.cyberlark.org/Software/BmpManager.rar
Download

完成时间: March, 2006
Completed in

少儿发音系统 辩音游戏

Children Pronunciation System for Game V2.0

Development Background

Children Pronunciation System is designed for deaf and dumb children. The game by distinguishing different objects on the screen according to the given sound is only a part of the system.

Major Functions

▶ Each question is created by the system, and at the same time, the system plays the sound of certain object. The users get the score if they select the logical one which could be made from the object on the screen.

▶ Different difficulty levels. (Easy/Normal/Hard)

▶ Hint function. This function enables the user to lower the difficulty level or listen to the sound again.

▶ Countdown function. When time is up, if there is no answer selected, the system will default it as giving up

Technical Difficulties

■ The Flash Action programming. The Flash provides a powerful solution for the animation involved in this program. It also makes the program easier to publish on the Internet. Furthermore, the product mainly faces the children market. Better and lovelier interfaces can draw their attention.

■ The multiple mouse events activate various behavior.

■ Create questions randomly. The question is generated from the database with one correct answer and some confusing false answers.

■ Multiple functionality such as replaying the sounds, providing hint and judging the answer: Give a red apple for the correct answers, or the green one for the wrong answers.

下载地址：Download Http://www.cyberlark.org/Software/Fayin2.rar

完成时间：Completed in April, 2005

汉诺塔课件制作
The Courseware of Hanno Problem

Development Background

When researching the Hanno Problem in the course of "C programming" in the college, I designed the flash courseware to show the principle of recursion method to solve this problem under my tutor's instruction.

Major Functions

▶ The animation creation of the story which describe the history of Hanno problem.

▶ Play the game automatically.

▶ Play the game manually. Students are able to experience the Hanno problem by running the program themselves.

▶ Teaching function. The multimedia courseware relates the way in which to comprehend the problem, design the program and produce the programming result.

Technical Difficulties

■ The Flash Action programming. The Flash provides a powerful solution for the animation involved in this program. It also makes the program easier to publish on the Internet. Furthermore, the product mainly faces the children market. Better and lovelier interfaces can draw their attention.

■ Create questions randomly. The question is generated from the database with one correct answer and some confusing false answers.

■ The multiple mouse events activate various behavior.

■ Multiple functionality such as replaying the sounds, providing hint and judging the answer: Give a red apple for the correct answers, or the green one for the wrong answers.

下载地址：Download Http://www.cyberlark.org/Software/Hanno.rar

完成时间：Completed in April, 2005

My Homepage Design

网站地址：
Web Location Http:// www.cyberlark.org

◀ D&M Studio

Our website founded in August, 2005, named "D&M Studio". The total number of visitors is up to 116,174, which about more than 30 visitors per day averagely. Until now,we have owned stable members over than300.

"D&M Studio" established by only two university students with the purpose of "Share our works on the net and make friends with the same dream all over the world.

开发工具：
Develop Tools: Dreamweaver 2005

所用技术：
Technical Used: Asp + Asscss

Cyberlark.org ▶

We changed our name from "D&M Studio" to "Cyberlark.org" in May, 2007, and rebuild it as David's own homepage now.

Cyber Lark, a kind of bird name which means beautiful and really full of imagination.

The new style of website did a lot of adjustment, using the new developing techniques: ASP.Net and AJAX. But the purpose is not change:

Share and Making progress corporately. I hope more friends could join us, we still in effort...

开发工具：
Develop Tools: Dreamweaver 8 + Flash 8

所用技术：
Technical Used: ASP.NET + Asscss + AJAX

David

网站设计

Website Design (China)

◀ 金陵科技学院 龙蟠学院网站
JIT Longpan Branch

The above website is a project accomplished with a team under my leadership and the instructions from our teacher.

网站地址:
Web Location Http://home.jit.edu.cn/lpxy

▲ 江苏大学生网
Jiangsu University Student

网站地址:
Web Location Http://www.cyberlark.org/njus

▼ CyberTag Love Wall

This is an interesting website which provide Internauts from all over the world to post their wishes on different layers of the website.

网站地址:
Web Location Http://www.cybertag.cn

开发工具:
Develop Tools: Dreamweaver 2005

所用技术:
Technical Used: Asp + Asscss

David

企业网站设计

Enterprise Website Design (China)

▲ 江苏三鑫环保工程有限公司网站
Jiangsu SanXin Environmental Protection Engineering Co., Ltd

网站地址： Http://www.sanxinhb.com
Web Location

▲ 南京瑞贝得企业网站
Nanjing Ribed Technology Co., Ltd

网站地址： Http://www.ribed.com
Web Location

▼ 南京唐晓红律师在线
Tang Lawyer Online

网站地址： Http://www.tangxiaohong.com
Web Location

所用技术： Asp + Asscss
Technical Used:

开发工具： Dreamweaver 2005
Develop Tools:

David

NEW 企业网站设计

Enterprise Website Design (Australia)

◀ Caveau Restaurant Wollongong

网站地址:
Web Location   Http:// www.caveau.com.au

▼ SkywidePrint Australia

网站地址:
Web Location   Http:// www.skywide.com.au

■ 开发工具:
Develop Tools: Dreamweaver 8

■ 所用技术:
Technical Used: PHP + Asscss

▼ Caveau Restaurant Subpage

Enterprise Website Design (Australia)

- These are websites I designed for Reed Financial Company where I had worked with them for 6 months. My responsibilities will include:
  - Graphic design
  - Website maintenance (updating and backup)
  - Email marketing campaigns
  - Online marketing: Google PPC advertising
  - Research on cost effective marketing techniques

▼ Keyperson.com.au Australia

网站地址：
Web Location   Http:// www.keyperson.com.au

▼ CashbackLife Australia V2.0

网站地址：   Http:// www.cashbacklife.com.au
Web Location

▲ CashbackLife Australia V1.0

- 所用技术： PHP + Javascript
  Technical Used:

- 开发工具： Dreamweaver 8
  Develop Tools:

NEW 企业网站设计

Enterprise Website Design (Australia)

◀ eDrivingSchool.com.au

网站地址：
Web Location   Http:// www.edrivingschool.com.au

▶ Unishop Online (Univative Illawarra Project)

网站地址：
Web Location   Unknown

▼ Centre Health Australia

网站地址：
Web Location   Unknown

■ 开发工具：
Develop Tools: Dreamweaver 8 + Flash 8

■ 所用技术：
Technical Used: PHP + Asscss