HCI 프로그래밍

1. Course Overview

HCI
Human Computer Interaction

Course Information

Instructor

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Prerequisite courses

- Data Structure, C/C++ Programming

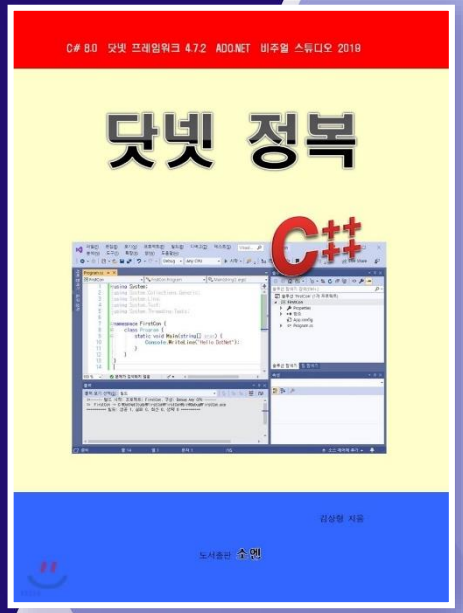
Purpose

This course aims to develop the ability to create interactive Windows programs.

Acquires the basic knowledge and skills for C# programming based on the .NET Framework, and develops the overall ability to use Windows programming.

Learns advanced grammar and theory of C# programming language, and learn Windows programming using Windows Form and Control, ASP.NET, ADO.NET, and XML.

Text Book



닷넷 정복 C# 8.0

http://csharpstudy.com

http://www.hoons.kr

Topics

- Overview
- .NET Framework
- C# Overview
- C# Data type, Array, Exception Handling
- C# Class, Inheritance, Interface
- C# File, Streaming
- WinForm Controls
- ASP.NET
- ADO.NET
- Thread

Schedule

Week1

- Course Overview
- Introduction to C# & .NET Framework
- Visual Studio Installation & Getting Started

Week2

- C# Basics
- Program Structure & Data type
- Control Statement & Exception

Week3

- Methods, Parameters & Array
- C# Basics lab

Schedule

Week4

- Object-Oriented Programming, Class, Object
- C# OOP lab

Week5

- C# Inheritance & Interface
- C# OOP lab

Week6

- Collections & Generics & Advanced C# programming
- Advanced C# programming lab

Week7

- File IO & Advanced C# programming

Schedule

Week8

- Midterm Exam

Week9

- C# Window Forms
- Window Forms programming lab

Week10

- C# Controls
- Controls GUI programming lab

Week11

- C# Mouse, Keyboard, Menu, Dialog
- GUI Event handling programming lab

Schedule

Week12

- GDI+
- Graphics programming lab

Week13

- C# Serialization & XML
- XML & Serialization programming lab

Week14

- Thread
- Thread programming lab

Week15

- Final Exam

Exams

Midterm Exam

- 처음부터 배운데까지

Final Exam

- 중간고사 이후 배운데까지

Homework

C# Programming

- 4 Individual Assignments
- Points will be deducted if submitted after the due date
- 0 points if not submitted
- Turn in all your source codes, executable, a short 2~5-page (single-space, 10-point font) report containing the snapshot
- The source code needs to be commented out for explanations.
- The content of the report should consist of a description of the implementation method, description of the main code, and a screen of execution results.
- Note: The final grade of this course is F for cases where the coding is not done by the student himself or the content of the source code is almost similar to that of other students.

Online Resources

C# 스터디

http://csharpstudy.com

훈스닷넷

http://www.hoons.kr

코드프로젝트

http://www.codeproject.com

Announcement

Class blog

http://dis.dankook.ac.kr/lectures/hci22

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