

UNIVERSITY OF LAPLAND
LAPIN YLIOPISTO

Todistus

Sinisalo Matti (080961XXXX) on osallistunut Lapin yliopiston Menetelmätieteiden laitoksen Network Competence -hankkeen yhteydessä järjestettyyn koulutukseen:

Symbian OS Essentials

Koulutuksen kesto:
16 tuntia, 28.11.-29.11.2003

Kouluttaja:
Antti Juustila, Oulusoft Ay

Koulutuksen sisältö:

Introduction to Symbian OS: Symbian OS features, Summary of high-level system components: user-side and kernel side, Micro-kernel and system servers, Overview of Symbian OS development: SDKs and OCKs: what they're used for. Symbian OS development tools: SDK installation, usage and documentation, Developer studio basics, Using makmake, UIDs, Differences between target and WINS platforms. Application development: Building programs: EIKON vs console apps, Using simple programs as templates, Debugging and testing techniques, Software engineering topics, Coding conventions. E32 user library: Overview of E32(), Threads, processes and context switches, Types of function call, Panics. Resource management: Overview of memory leaks, Memory leak and alloc failure tools, new(ELeave) and CBase() initialization, TRAPD and Cleanup Stack, New L() and NewLC(). Descriptors: Motivation for Descriptors, Descriptor Classes, Constructiong from a string literal: _LIT() macro, ASCII and Unicode variants, Descriptor functions, Summary of use of Descriptors. Arrays: Fixed length arrays: flat and segmented buffers, Variable length arrays: flat and segmented buffers, Packed array: flat buffer, Array of pointers: flat and segmented buffers, Array Keys. File Server and Stream Store: Using file server sessions, Basic direct stream store functionality, Overview of different store functionality.

Rovaniemellä 31.3.2004,

Ilkka Kamaja
Kehittämispäällikkö, laitoksen varajohtaja