DYNAMICS NAV DEVELOPMENT - INTRODUCTION TRAINING

Duration: 18 hours (6 days per 3 hours)
Proposed time: 17:30h – 20:30h
Frequency:

1. 3 weeks, days Tuesday and Thursday

Trainer: Miloš Baić, Certified Microsoft Dynamics NAV Developer

Overview

1. NAV 2016 – An ERP System
2. History
3. Architecture
4. A developer's overview of Dynamics NAV
    a. Describe fundamental aspects of Microsoft Dynamics NAV Integrated Development Environment
    b. Explain the physical and logical database structure.
    c. Present the basic object types in Microsoft Dynamics NAV
    d. Explain the features for multi-developer environments
5. Tables
    a. Explain the concepts of tables and table components
    b. Provide an overview of different table types and their characteristics
    c. Explain primary and secondary keys
    d. Lab – create a simple table with primary and secondary keys
    e. Review the concept of table relation
    f. Set table relations with a filter and condition
    g. Describe the special table fields
    h. Lab – creating tables
6. Pages – The interactive interface
    a. Explain the concepts of pages and page components
    b. Describe Page Designer and Action Designer
    c. Provide an overview of different page types and their characteristics
    d. Lab – creating pages
7. MenuSuites
    a. Explain the concepts of MenuSuites
8. Codeunits
    a. Explain the concepts of codeunits
    b. Provide an overview of designing codeunits
    c. Provide an overview by using codeunits
    d. Define variables and functions in a codeunit
9. Introduction to C/AL programming
    a. C/AL programing
        i. Variables, Text constants, Functions, Syntax, C/AL Symbol Menu
    b. Statements and expressions
        i. Assignment, statements, expressions, terms and operators
    c. C/AL statements
        i. Describe the IF statement, the IF-THEN, and IF-THEN-ELSE syntax
        ii. Describe the EXIT statement and code indentation
        iii. Describe the CASE statement and the syntax of the CASE statement
        iv. Describe the syntax of comments
        v. Define arrays and describe the components of arrays
        vi. Introduce repetitive statements that are available in C/AL
        vii. Describe the WITH statement, record variables, and the syntax of the WITH statement

   d. C/AL functions
      i. Explain the concepts of functions and parameters
      ii. Built-in functions
      iii. Data access functions
      iv. Sorting and filtering functions
      v. Data manipulation functions
      vi. Working with fields functions
      vii. User Interaction functions
      viii. Other common C/AL functions
      ix. EXIT statement
10. XMLports
   a. Explain the concepts of XMLports
   b. Provide an overview of designing XMLports
   c. Provide an overview by using XMLports
11. Reports
   a. Explain the concepts of reports and report components
   b. Provide an overview of different report types and their characteristics
   c. Describe the logical design of reports
   d. Design the report layout, introduce Microsoft Visual Studio Report Designer
   e. Introduce Request Page Designer
   f. Explain the concepts of grouping and totaling in a report
   g. ProcessingOnly reports
12. Queries
   a. Present the Query Designer and its features
   b. Explain the principles of the query design process
   c. Show how to select, join, filter, aggregate, and order data
   d. Show how to access queries from C/AL code
   e. Explain how to export data from queries
13. Advanced
   a. Debugging
   b. NAV blogs