.NET
FULL STACK

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About the Course

.NET

.Net Full Stack course is designed for individuals seeking to become .Net Developer. Whether you're beginner with no programming skills or someone looking to enhance their skills, this course will take you through the essentials of Java programming and progress to advanced concepts, tools and framework.

C#

OVERVIEW
- .NET FRAMEWORK
- STRONG PROGRAMMING FEATURES OF C#

ENVIRONMENT
- THE .NET FRAMEWORK
- INTEGRATED DEVELOPMENT ENVIRONMENT
- (IDE) FOR C#
- WRITING C# PROGRAMS ON LINUX OR MAC OS

PROGRAM STRUCTURE
- CREATING HELLO WORLD PROGRAM
- COMPILING AND EXECUTING THE PROGRAM
- C# KEYWORDS

BASIC SYNTAX
- THE USING KEYWORD
- THE CLASS KEYWORD
- COMMENTS IN C#
- MEMBER VARIABLES
- MEMBER FUNCTIONS
- INSTANTIATING A CLASS
- IDENTIFIERS
- C# KEYWORDS
- DATA TYPES AND VARIABLES

CONSTANTS AND LITERALS
- INTEGER LITERALS
- FLOATING-POINT LITERALS
- CHARACTER CONSTANTS
- STRING LITERALS
- DEFINING CONSTANTS

OPERATORS
- ARITHMETIC OPERATORS
- RELATIONAL OPERATORS
- LOGICAL OPERATORS

- BITWISE OPERATORS
- ASSIGNMENT OPERATORS
- MISCELLANEOUS OPERATORS

DECISION MAKING
- IF STATEMENT
- IF...ELSE STATEMENT
- THE IF...ELSE IF...ELSE STATEMENT
- NESTED IF STATEMENTS
- SWITCH STATEMENT
- THE ? : OPERATOR

LOOPS
- WHILE LOOP
- FOR LOOP
- DO...WHILE LOOP
- NESTED LOOPS
- LOOP CONTROL STATEMENTS
- INFINITE LOOP

METHODS
- DEFINING METHODS IN C#
- CALLING METHODS IN C#
- PASSING PARAMETERS TO A METHOD
- PASSING PARAMETERS BY VALUE

ARRAYS
- DECLARING ARRAYS
- INITIALIZING AN ARRAY
- ASSIGNING VALUES TO AN ARRAY
- ACCESSING ARRAY ELEMENTS
- USING THE FOREACH LOOP
- SINGLE DIMENSIONAL ARRAYS
- MULTIDIMENSIONAL ARRAYS

STRINGS
- CREATING A STRING OBJECT
- PROPERTIES OF THE STRING CLASS
- METHODS OF THE STRING CLASS

ENCAPSULATION
- PUBLIC ACCESS SPECIFIER
- PRIVATE ACCESS SPECIFIER
- PROTECTED ACCESS SPECIFIER
- INTERNAL ACCESS SPECIFIER

PCLASSES
- DEFINING A CLASS
- MEMBER FUNCTIONS AND ENCAPSULATION
- C# CONSTRUCTORS
- C# DESTRUCTORS

INHERITANCE
- BASE AND DERIVED CLASSES
- INITIALIZING BASE CLASS
- MULTIPLE INHERITANCE IN C#

IPOLYMORPHISM
- STATIC POLYMORPHISM
- DYNAMIC POLYMORPHISM

IINTERFACES
- DECLARING INTERFACES

NAMESPACES
- DEFINING A NAMESPACE
- THE USING KEYWORD
- NESTED NAMESPACES

EXCEPTION HANDLING
- EXCEPTION CLASSES IN C#
- CREATING USER-DEFINED EXCEPTIONS

FILE I/O
- I/O CLASSES
- THE FILESTREAM CLASS
- ADVANCED FILE OPERATIONS IN C#
- READING FROM AND WRITING TO TEXT FILES
- THE STREAMREADER CLASS
- THE STREAMWRITER CLASS

DELEGATES
- DECLARING DELEGATES
- INSTANTIATING DELEGATES
- MULTI CASTING OF A DELEGATE
- USING DELEGATES

EVENTS
- USING DELEGATES WITH EVENTS
- DECLARING EVENTS

COLLECTIONS
- ARRAY LIST CLASS
- HASHTABLE CLASS
- SORTEDLIST CLASS
- STACK CLASS
- QUEUE CLASS
- BITARRAY CLASS

GENERICS
- FEATURES OF GENERICS
- GENERIC METHODS
- GENERIC DELEGATES

MULTITHREADING
- THREAD LIFE CYCLE
- PROPERTIES AND METHODS OF THE
- THREAD CLASS
- CREATING THREADS
- MANAGING THREADS
- DESTROYING THREADS

WIN FORMS
- WORKING WITH CONTROLS (LABEL, TEXT FIELD, BUTTON, RADIO BUTTON ETC..)

ADO.NET
- WHAT IS ADO.NET
- CONNECTING TO BACKEND
- PERFORMING CRUD OPERATIONS

ADO.NET

ADO.NET
- BASICS OF RDBMS
- ADI.NET CLASSES
- CONNECTIVITY TO DATABASE
- DATA CONNECTION OBJECT
- CONNECTED & DISCONNECTED
- ARCHITECTURE
- DATASET
- DATATABLE
- DATAREADER
- SCALAR
- XSD

ASP.NET

- ASP. NET INTRODUCTION
- ASP. NET PAGE LIFE CYCLE
- ASP. NET INTRODUCTION TO IIS
- ASP. NET ENVIRONMENT SETUP
- ASP. NET GETTING STARTED
- ASP. NET EVENT HANDLING
- ASP. NET PAGE POST BACK
- ASP. NET APPLICATION POOL
- ASP. NET OBJECTS
- ASP. NET WEB CONFIGURATION
- ASP. NET MASTER PAGE
- ASP. NET THEMES
- ASP. NET DIRECTIVES
- ASP. NET STANDARD CONTROLS
- ASP. NET COMMON CONTROLS
- ASP. NET LIST CONTROLS
- ASP. NET ADVANCED CONTROLS
- ASP. NET VALIDATION CONTROLS
- ASP. NET NAVIGATION CONTROLS
- ASP. NET USER CONTROLS
- ASP. NET DATA CONTROLS ASP. NET GRID VIEW, DETAILS VIEW, FORM VIEW, LIST VIEW
- DATA PAGER CONTROLS
- ASP. NET QUERY EXTENDER
- ASP. NET STATE MANAGEMENT
- ASP. NET CLIENT-SIDE STATE MANAGEMENT
- ASP. NET VIEW STATE
- ASP. NET HIDDEN FIELD
- ASP. NET COOKIES
- ASP. NET SERVER-SIDE STATE MANAGEMENT
- ASP. NET SESSION STATE
- ASP. NET APPLICATION STATE
- ASP. NET WORKING WITH GLOBAL.ASAX
- ASP. NET CACHING (OBJECT CACHING, OUTPUT CACHING)
- ASP. NET ERROR HANDLING
- ASP. NET TRACING
- ASP. NET PAGE LEVEL TRACING, APPLICATION-LEVEL TRACING

ASP.NET MVC

- OVERVIEW OF MVC ARCHITECTURE ASP.NET MVC FRAMEWORK VERSION
- HISTORY
- CREATE FIRST MVC APP

- MVC FOLDER STRUCTURE
- OVERVIEW OF MVC ARCHITECTURE ASP.NET MVC FRAMEWORK VERSION
- HISTORY
- CREATE FIRST MVC APP
- MVC FOLDER STRUCTURE
- ROUTING IN ASP.NET MVC
- FILTERS IN ASP.NET MVC
- ACTIONFILTER ATTRIBUTES
- WHAT IS BUNDLING IN ASP.NET MVC?
- SCRIPTBUNDLE
- STYLEBUNDLE
- AREA IN ASP.NET MVC
- ASP.NET MVC LEARNING RESOURCES
- WHAT IS HTML HELPER?
- CREATE TEXTBOX
- CREATE TEXTAREA
- CREATE CHECK BOX
- CREATE RADIO BUTTON
- CREATE DROP DOWN LIST
- CREATE HIDDEN FIELD
- CREATE PASSWORD FIELD
- CREATE DISPLAY FIELD
- CREATE LABEL
- CREATE EDITOR FIELD
- CONTROLLERS IN ASP.NET MVC
- ACTION METHODS IN CONTROLLER
- ACTION SELECTOR ATTRIBUTES
- HTTPGET, HTTPPOST, HTTPPUT
- MODEL IN MVC
- VIEW IN MVC
- RAZOR VIEW SYNTAX
- INTEGRATE MODEL, VIEW & CONTROLLER
- BINDING MODEL TO VIEW AND CONTROLLER
- CREATE VIEW TO EDIT DATA
- WHAT IS LAYOUT VIEW?
- CREATE LAYOUT VIEW IN ASP.NET MVC
- WHAT IS PARTIAL VIEW?
- WHAT IS VIEWBAG?
- WHAT IS VIEWDATA?
- WHAT IS TEMPDATA? IMPLEMENT VALIDATIONS IN ASP.NET
- MVC FORM USE VALIDATION SUMMARY TO DISPLAY

- ERROR SUMMARY
- EXCEPTION HANDLING IN ASP.NET MVC

ASP.NET WEB API
- WHAT IS WEB API?
- CREATE WEB API PROJECT IN VISUAL STUDIO
- TEST WEB API
- WEB API CONTROLLERS
- CONFIGURE WEB API
- ROUTING IN ASP.NET WEB API
- PARAMETER BINDING IN ASP.NET WEB API
- RETURN TYPES OF WEB API ACTION METHOD REQUEST, RESPONSE FORMATS IN ASP.NET WEB
- API
- MEDIA TYPE FORMATTERS IN ASP.NET WEB API
- WEB API FILTERS CONFIGURE DEPENDENCY INJECTION IN ASP.NET
- WEB API
- WEB API HOSTING
- CREATE WEB API FOR CRUD
- IMPLEMENT GET METHOD
- IMPLEMENT POST METHOD
- IMPLEMENT PUT METHOD
- IMPLEMENT DELETE METHOD
- CONSUME WEB API
- CONSUME GET METHOD
- CONSUME POST METHOD
- CONSUME PUT METHOD
- CONSUME DELETE METHOD
- CONSUME WEB API USING HTTPCLIENT

ASP.NET CORE
- NET CORE OVERVIEW
- ASP.NET CORE OVERVIEW
- INSTALL ASP.NET CORE
- CREATE ASP.NET CORE WEB APPLICATION
- ASP.NET CORE PROJECT'S FOLDER STRUCTURE
- WWWROOT FOLDER
- SETUP HOST IN PROGRAM.CS FILE
- IMPORTANCE OF STARTUP.CS FILE
- WORKING WITH COMMAND-LINE INTERFACE
- CONFIGURE THE DEFAULT FILE TO BE SERVED ON THE ROOT REQUEST
- ASP.NET CORE ENVIRONMENT VARIABLES

- DEPENDENCY INJECTIONS IN ASP.NET CORE
- BUILT-IN IOC CONTAINER IN ASP.NET CORE
- WORKING WITH MIDDLEWARE IN ASP.NET CORE
- HOW TO ADD CUSTOM MIDDLEWARES IN ASP.NET CORE APPLICATION
- SERVING STATIC FILES IN ASP.NET CORE
- SERVING STATIC FILES FROM ANY FOLDER IN ASP.NET CORE
- EXCEPTION HANDLING IN ASP.NET CORE
- LOGGING IN .NET CORE
- LOGGING IN ASP.NET CORE .NET CORE APPLICATION TYPES

MS SQL SERVER

- WHAT IS DBMS?
- TYPES OF DBMS
- WHAT IS SQL?
- WHAT IS SQL SERVER?
- FEATURES OF SQL SERVER
- SQL SERVER INSTALLATION
- SQL SERVER ARCHITECTURE
- SQL SERVER COMMAND CATEGORIES
- SQL SERVER DATA TYPES
- DDL COMMANDS
- KEYS IN DATABASE
- CONSTRAINTS IN DATABASE
- DML COMMANDS
- OPERATORS
- NESTED QUERIES
- JOINS
- STORED PROCEDURES
- DCL COMMANDS
- TCL COMMANDS

WEB DEVELOPMENT

HTML 4 AND HTML 5.
- INTRODUCTION OF HTML
- TAG, ELEMENTS AND ATTRIBUTES
- BASICS SYNTAX
- TABLE

- LIST
- FORMS
- STRUCTURE OF HTML4 AND HTML5
- SEMANTIC AND NON-SEMANTIC TAGS
- HTML 5 FEATURES
- NEW INPUT TYPE
- FORMS ATTRIBUTE
- SVG
- CANVAS
- AUDIO, VIDEO TAG

CSS (CASCADING STYLE SHEET)
- ATTRIBUTES (ID, CLASS, STYLE, TITLE)
- CSS TYPES (INLINE, INTERNAL, EXTERNAL)
- BOX-MODEL
- DISPLAY PROPERTY (BLOCK, INLINE, NONE)
- VISIBILITY-HIDDEN
- POSITION PROPERTY(STATIC, RELATIVE, ABSOLUTE, FIXED)
- Z-INDEX PROPERTY
- COMBINATORS (DESCENDANT SELECTOR, CHILD SELECTOR, ADJACENT SIBLING SELECTOR, GENERAL SIBLING SELECTOR)
- CSS PSEUDO-CLASSES (LINK, VISITED, HOVER, ACTIVE)
- CSS PSEUDO-ELEMENTS (FIRST LINE, FIRST LETTER, BEFORE, AFTER ,SELECTION)
- STATIC WEB PAGE
- VIEWPORT META TAG

CSS
- BACKGROUND, MULTIPLE BACKGROUNDS
- FONT RELATED FEATURES (ONLINE FONTS)
- TEXT-EFFECT AND BOX-EFFECT
- GRADIENTS-LINEAR AND RADIAL
- TRANSITION
- TRANSFORMATION G. ANIMATION
- MEDIA QUERIES

BOOTSTRAP
- INTRODUCTION OF BOOTSTRAP (RESPONSIVE)
- TYPOGRAPHY
- TABLES
- IMAGES, BUTTONS
- GRID STRUCTURE-TYPE OF COLUMNS
- FORMS
- JUMBORTRON
- WELL
- PANEL

- NAVBAR, NAV TAB
- CAROUSEL
- RESPONSIVE WEB PAGE

JAVASCRIPT
- INTRODUCTION OF JAVASCRIPT B. USE OF JAVASCRIPT
- VARIABLES
- KEYWORDS
- DATA TYPE (PRIMITIVE, NON-PRIMITIVE)
- JS CONDITIONS (IF, IF-ELSE)
- CONDITIONAL OPERATORS & LOGICAL OPERATORS
- LOOPS (FOR, WHILE, DO-WHILE)
- SWITCH CASE
- FUNCTIONS
- SETTIMEOUT AND SET INTERVAL FUNCTION
- HTML DOM
- USE THE DOCUMENT OBJECT TO ACCESS AND MANIPULATE HTML
- CHANGING HTML ELEMENTS
- ADDING AND DELETING ELEMENTS
- ARRAY
- OBJECTS
- HOW TO ACCESS OBJECTS (DOT NOTATION, BRACKET NOTATION)
- OBJECT CREATION (EMPTY OBJECT, LITERAL WAY, CONSTRUCTOR WAY) T. PROTOTYPE
- VALIDATIONS
- EVENTS

JQUERY
- INTRODUCTION
- JQUERY LIBRARY
- FIRST JQUERY EXAMPLE
- THE DOCUMENT READY FUNCTION
- THE DOCUMENT READY FUNCTION
- SELECTORS
- BASIC SELECTORS
- PRECISE SELECTORS
- COMBINATION OF SELECTORS
- HIERARCHY SELECTORS
- SELECTION INDEX FILTERS
- VISIBILITY FILTERS
- FORMS SELECTORS
- FORMS FILTERS
- FIND DROPDOWN SELECTED ITEM
- DOCUMENT TRAVERSAL
- GETTING A SPECIFIC DOM ELEMENT

- EVENT
- EVENTS HELPERS
- ATTACH EVENT
- DETACHING EVENTS
- EVENTS TRIGGERING
- HTML MANIPULATION
- AJAX WITH JQUERY
- USE AND BENEFITS JSON

HTML MANIPULATION

USE AND BENEFITS JSON

USE AND BENEFITS JSON

PROJECT: STATIC WEB APP DEVELOPMENT FROM SCRATCH AND HOSTING.

GETTING STARTED WITH REACT COURSE
- INTRO TO REACTJS
- ENVIRONMENT SETUP AND FOLDER STRUCTURE
- JSX
- COMPONENTS
- STATE
- PROPS OVERVIEW
- PROPS VALIDATION
- COMPONENT API
- COMPONENT LIFE CYCLE
- FORMS
- EVENTS
- REFS
- KEYS
- ROUTER
- ANIMATIONS
- HIGHER-ORDER COMPONENTS
- WHAT IS VIRTUAL DOM
- A BASIC SETUP OF BOOTSTRAP FOR STYLING

VIRTUAL DOM INTRODUCTION
- MODULE INTRODUCTION
- USING TYPES CLASSES INTERFACE
- GENERICS WRAP UP & MODULES
- DEEP DIVE INTO VIRTUAL DOMS

THE BASICS OF REACT
- MODULE INTRODUCTION
- HOW A REACT APP GETS LOADED AND STARTED
- COMPONENTS CREATING NEW COMPONENT

- ANALYSIS OF THE FUNCTIONALITY OF APPMODULE & COMPONENT DECLARATION.
- TEMPLATES UNDERSTANDING COMPONENT STYLES UNDERSTANDING COMPONENT SELECTOR.

DATABINDING & DOM CONCEPTS
- CREATING A BASIC CUSTOM ATTRIBUTE DOM
- EXPLORING RENDERER TO CREATE A DOM
- UNDERSTANDING HOSTLISTENER AND HOSTBINDING BINDING TO DOM.
- PROPERTIES BUILDING STRUCTURAL DOMS EXPLORING NGSWITCH.

UNDERSTANDING SERVICES & IMPLEMENTING DEPENDENCY INJECTION
- MODULE INTRODUCTION
- WHY SERVICES ARE REQUIRED
- UNDERSTANDING DEPENDENCY HIERARCHICAL INJECTOR
- INJECTING A SERVICE INTO OTHER SERVICES

OBSERVABLES IN REACT
- MODULE INTRODUCTION
- UNDERSTANDING BUILT-IN REACT OBSERVABLE
- CREATING OBSERVABLES USING A CUSTOM OBSERVABLE
- UNDERSTANDING OBSERVABLE OPERATORS

FORMS IN REACT
- MODULE INTRODUCTION
- NEED TO REACT'S HELP TEMPLATE DRIVEN VS REACTIVE APPROACH

MAKING HTTP REQUESTS IN REACT
- INTRODUCTION & HOW HTTP REQUEST
- WORKS IN SPAS SENDING POST REQUEST
- ADJUSTING REQUEST HEADERS SENDING GET REQUESTS

TEMPLATE DRIVEN APPROACH
- TD: SUBMITTING AND USING THE FORM
- TD: UNDERSTANDING FORM'S STATE
- TD: ACCESSING FORM USING @VIEWCHILD
- TD: ADDING VALIDATION TO USER INPUT
- TD: UNDERSTANDING FORM STATE
- TD: OUTPUTTING VALIDATION ERROR MESSAGES

- TD: USING NGMODEL AND TWO-WAY BINDING
- TD: GROUPING FORM CONTROLS
- TD: USING FORM DATA

AUTHENTICATION & ROUTE PROTECTION IN REACT APPS
- MODULE INTRODUCTION HOW AUTHENTICATION WORKS IN SPAS
- INTRODUCTION TO JWT
- FIREBASE SDK SIGNING USERS UP
- SIGNING USERS IN TOKEN

Live Project Implementation

LIVE CLASS BENEFITS

- Hybrid Classes (Offline/Online)
- Live class video access
- Master edited video for lifetime
- Interview preparation
- Online assessment
- Placement assistance
- Innozant certificate of completion post assessment

OUR TOP PLACEMENT PARTNERS

ABOUT INNOZANT

Innozant Infotech Pvt Ltd is most rapidly growing Hybrid Training Institute for Data Analytics , Data Science Digital Marketing and Web Development. We provide the best available tailor-made course content as per current industry needs ,which helps in enhancing the technical skills which are beneficial for all the job seekers. Whether you're a beginner or a professional seeking to upskill , Innozant provides a supportive environment to help you unlock your full potential.

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