WCF and Web Services

1. Web Services

   - ➢ Intro to Web Services

   - ➢ When to use Web Services

   - ➢ When not to use Web Services

   - ➢ Creating Web Services

   - ➢ Using Web Services

   - ➢ Disadvantages

2. WCF

   - ➢ Introduction to WCF

   - ➢ So what exactly is WCF?

   - ➢ Why do we need WCF?

   - ➢ When to use WCF?

- ➢ Advantages of WCF over Web Services

- ➢ When not to use WCF?

- ➢ How does a WCF service work?

- ➢ Creating and Consuming Services

- ➢ ABC

- ➢ Address

- ➢ Bindings

- ➢ When to use which Binding

- ➢ Contracts

- ➢ Endpoints

- ➢ Custom Attributes

- ➢ Message Contract

- ➢ Instance Context Mode

- ➢ Instance Management

- ➢ Concurrent Calls

- ➢ Messages

- ➢ Throttling

- ➢ Exception Handling

- ➢ Tracing

- ➢ Transactions

- ➢ Disadvantages of WCF

- ➢ Service Behaviors

- ➢ RESTful services

- ➢ Authentication concepts

- ➢ Proxy

- ➢ Channel Factory

- ➢ Hosting