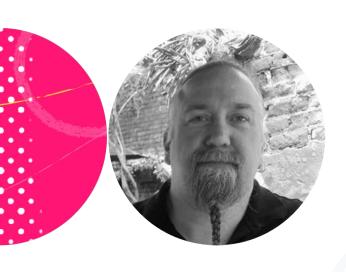
Object-oriented Examples

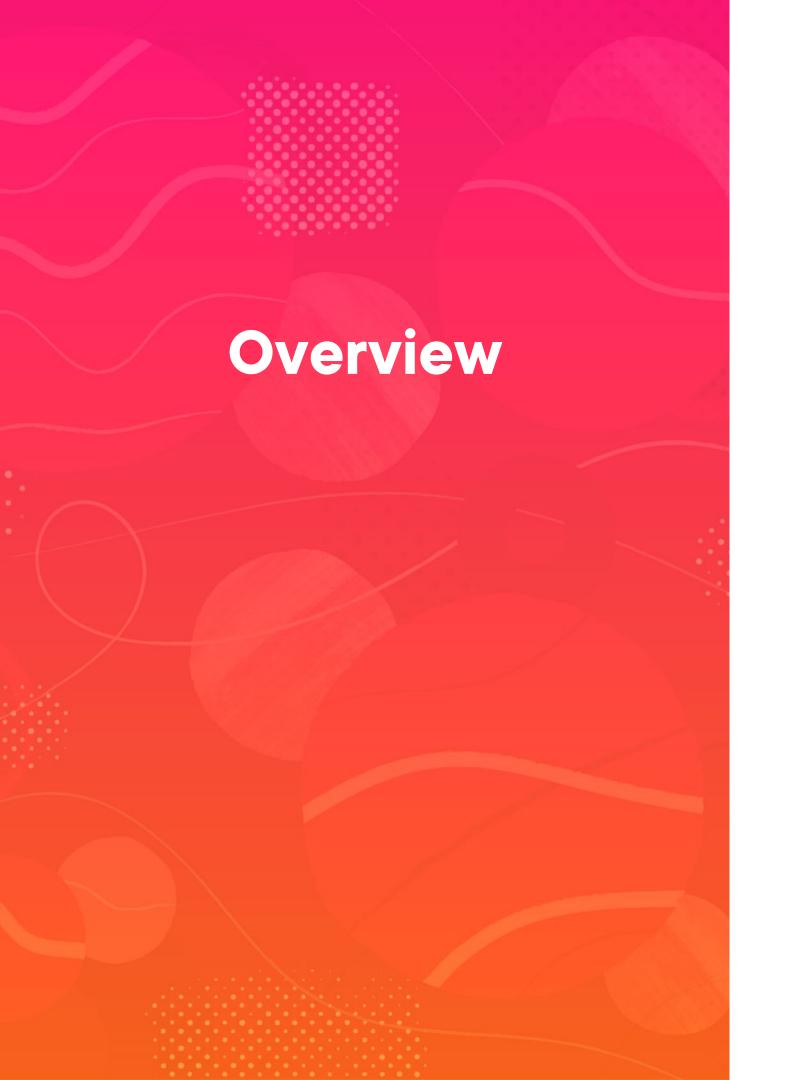


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Demo: Offset-aware DateTime

Demo: Options Pattern



Demo: Offset-aware DateTime



Dates and Times Are Relative



IComparable.CompareTo

If this instance is less than "other", return -1

If this instance is greater than "other", return 1

If both instances are equal, return 0





Design Tips

- Create objects that are smart data
- Classes are tools
- Don't reinvent wheels
 - Use .NET DateTimeOffset
 - Use NodaTime for dealing with time zones



Demo: Options Pattern





For more information

Options Pattern in .NET

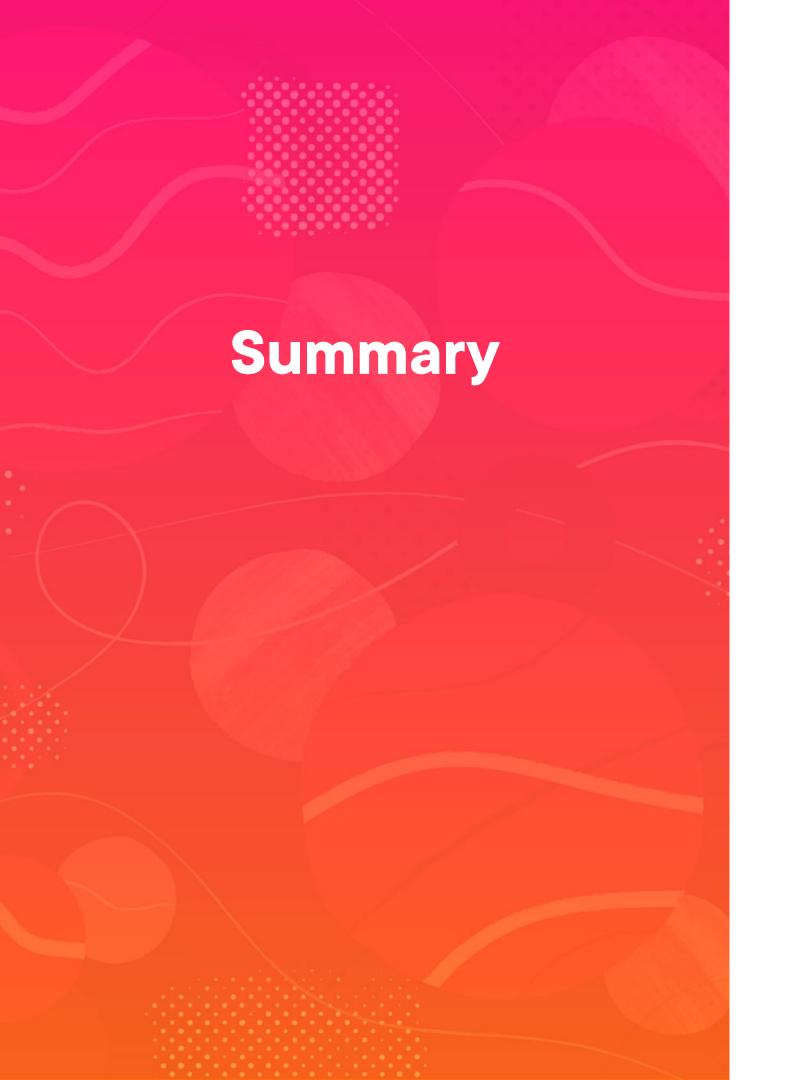
https://learn.microsoft.com/enus/dotnet/core/extensions/options



Design Tips

- Create objects that are smart data
- Abstract behavior to solve problems once
- Even simple custom types have benefits
 - Directly manipulate objects during tests





OffsetDateTime

- Intelligently comparable to others

Options Pattern

- Simple bound object
- Dependency injection
- IOptions interface
- Hosted services and validation

Up Next:

Putting It All Together

