

# Nullability



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# Overview

**History of nullability in C#**

**Visual Studio / compiler support**

**Guarding against null values**

**Controlling null-checking behavior**



# Nullability in .NET



# Guarding Against Null Values

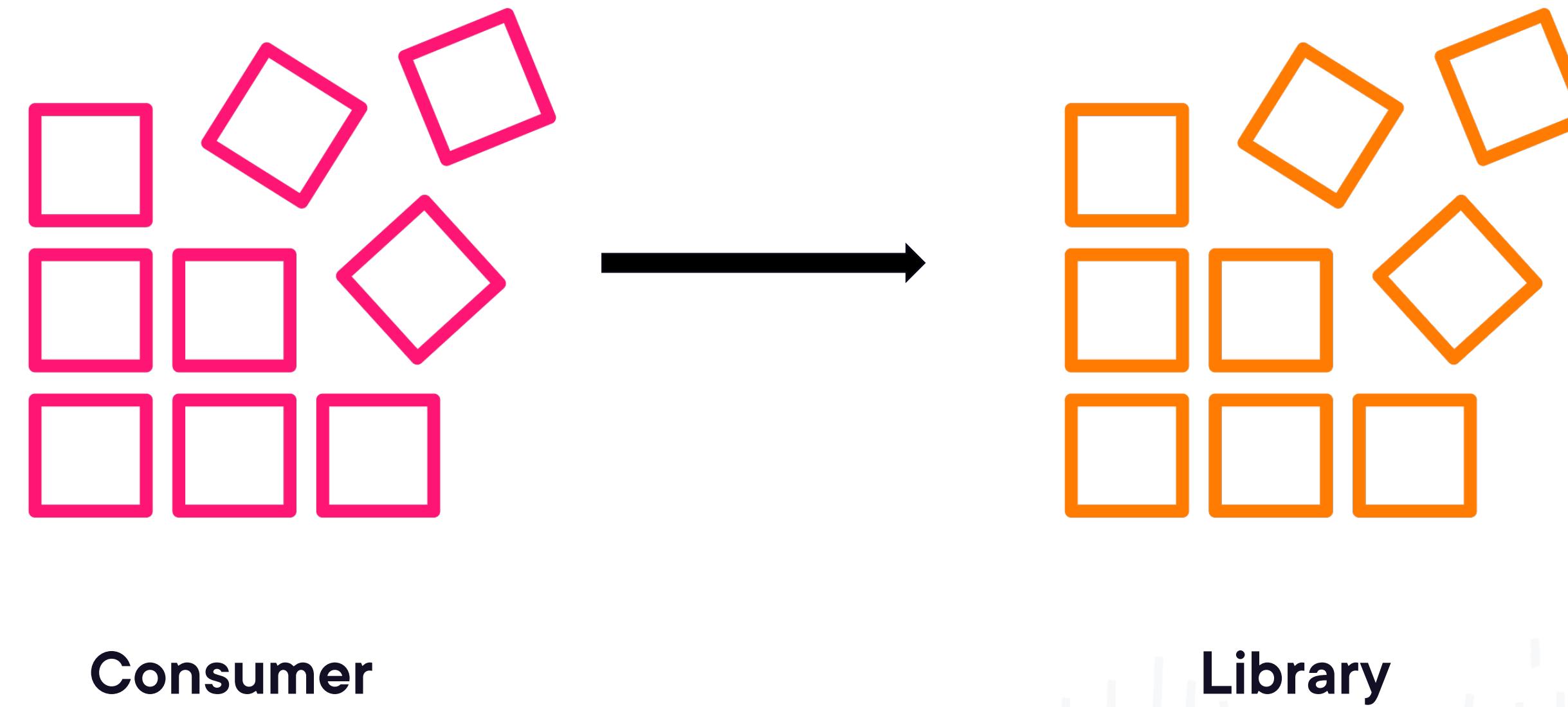


# Project Settings and Nullability Contexts



# Summary

# Nullability = Documentation





## Design Tips

- **Enable null checking in new projects**
- **Add null checking to existing projects**
- **Override if needed while updating**
- **Check your parameters**
- **Throw appropriate exceptions**
- **Document the exceptions you throw**



# Summary

## History of nullability in C#

### Nullable value types

### Nullable reference types

- Impact on your code's consumers
- Suppressing warnings and errors
- Nullability contexts, annotations, and warnings
- Controlling null checking contexts



# Equality, Immutability, and Record Types

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