test

Add item

Remove item

Add item

Remove item

Pay

White   
plays

Black plays

White plays and wins

Black plays and wins

Verified

Put on truck

Address not found

Signed for

Purchase

No recent order

Recent order

Build

Test Failed

Release

Build

Test Failed

Release

Build

Test Failed

Release

S

***Type* T**

***Type* Wrapper<T>**

***Type* U**

***Type* Wrapper<U>**

**f : *T → Wrapped<U>***

**Return(x)**

**Bind(m,f)**

**m**

**x**

***Type* T**

***Type* Wrapper<T>**

***Type* U**

***Type* Wrapper<U>**

**f**

**Map f**

***Wrapper<T> → Wrapper<U>***

***T → U***

listbuilder {   
 yield 1  
 yield 2  
 yield 3  
 yield 4  
 }

*combine*

*combine*

*result*

return 1

Zero()

Delay

Delay

Combine

Run

*Option*

*Delayed Option*

*Option*

*Delayed Option*

*Delayed Option*

*Option*

return 1  
yield

Run

***Type*Option<T>**

nothing  
( Zero )

Delay

Combine

***Type*unit -> Option<T>**

***Type Option*<T>**

***Type*Option<T>**

Delay

***Type* Option<T>**

***Type unit* -> Option<T>**

return  
yield

***Type*Internal<T>**

***Type* T**

return!   
yield!

***Type W*rapped<T>**

nothing  
( Zero )

***Type*Internal<T>**

***Type*Internal<T>**

return 1

Combine

Run

***Type*Internal<T>**

return 2

return 3

Delay

***Type*Internal<T>**

***Type*Delayed<T>**

***Type W*rapped<T>**

***Type*Internal<T>**

***Type*Internal<T>**

Delay

Combine

***Type*Delayed<T>**

Delay

***Type*Internal<T>**

***Type*Delayed<T>**

f

Bind

Match

f1

Fold

f2

f3

f1

f1

Map

function

function

success

failure

fun. 1

success

failure

fun. 2

success

failure

fun. 2

Connect?

failure

fun. 1

success

failure

fun. 2

success

failure

*on success*

*bypass*

Bind

f

Bind

fun. 2

fun. 1

success

failure

success

failure

Bind

fun. 2

fun. 1

success

failure

success

failure

Bind

fun. 3

success

failure

Presentation Layer

Domain Layer

Persistence

Presentation Layer

Domain Layer

Persistence

Infrastructure

Infrastructure

Presentation functions

Domain functions

Persistence impl.

Infrastructure

Presentation types

Domain types

// infrastructure  
LoggingService .fs  
SmtpService.fs  
DomainTypes.fs  
IRepository.fs  
Customer.fs  
PurchaseOrder.fs  
Payment.fs  
SqlRepository.fs  
UIModel.fs  
UIView.fs  
UIController.fs

Persistence interfaces

Presentation functions

Domain functions

Persistence impl.

Infrastructure

Presentation types

Domain types

Persistence interfaces

Page 1

Page 2

Page 3

Complete text

+

Complete count

count

wordCount

Page 1

Page 2

Page 3

Complete count

count

count

wordCount

+

=

+

+

=

Page 1

Page 2

Page 3

Complete text

+

Word

word

mostFrequentWord

Page 1

Page 2

Page 3

???

word

word

+

=

+

+

=

mostFrequentWord

Page 1

Page 2

Page 3

Complete text

+

Complete count

count

wordCount

*Same  
Answer!*

count

count

wordCount

+

=

+

+

=

Page 1

Page 2

Page 3

Complete text

+

Word

count

word

mostFrequentWord

*Different  
Answer!*

word

word

mostFrequentWord

+

=

+

+

≠