

Misha Leder

Software Engineering of the Mind

Fairy Tale

Misha Leder



PETER AND MR. BURSKY



ENGINEERS LIKE PETER
ARE NOT AFRAID OF MR BURSKY



hapter 1.

Event triggered programs

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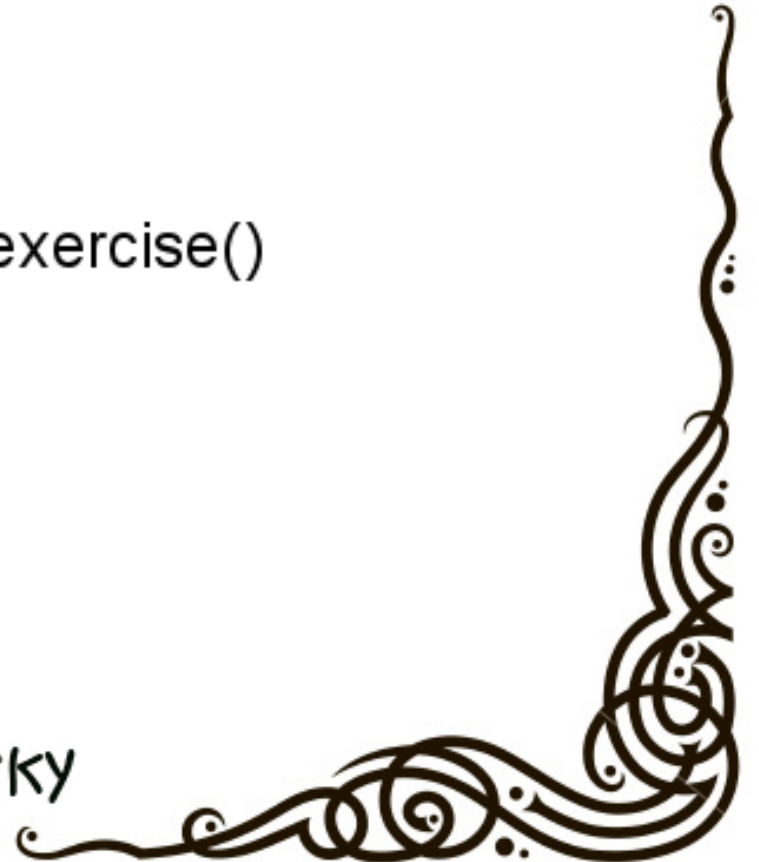
Chapter 1.

Event triggered programs



→ Should_exercise()

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Chapter 1.

Event triggered programs



Hungry()

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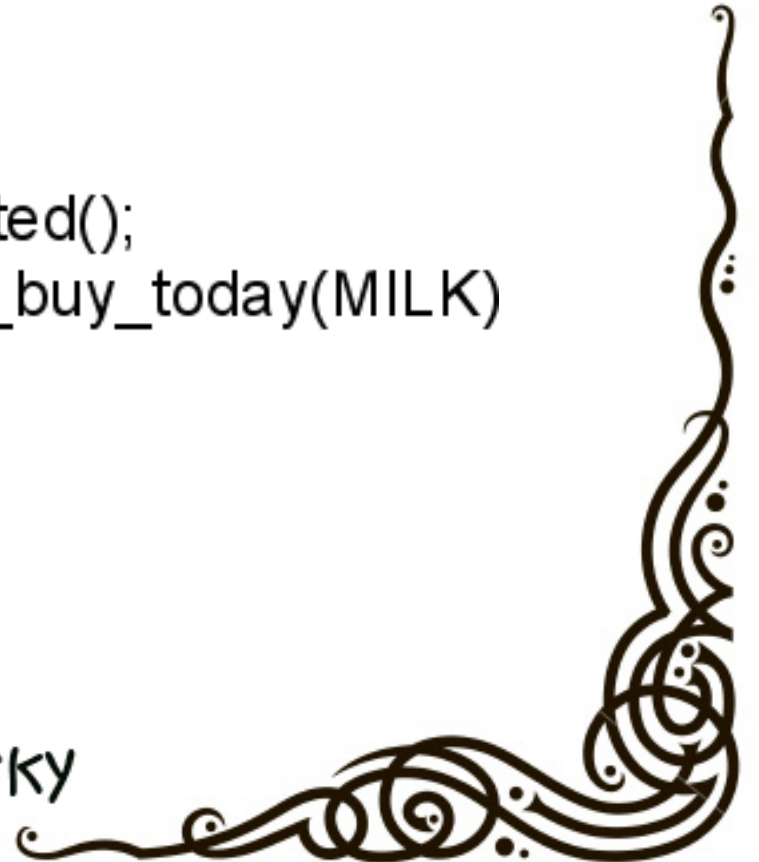
Chapter 1.

Event triggered programs



```
Furstrated();  
Got_to_buy_today(MILK)
```

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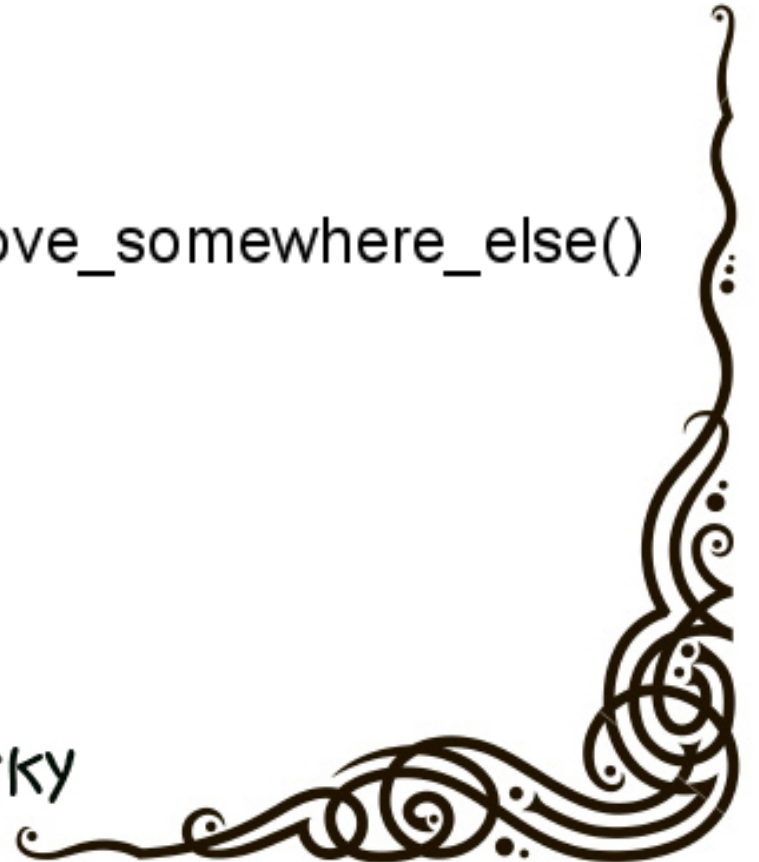
Chapter 1.

Event triggered programs



`Should_move_somewhere_else()`

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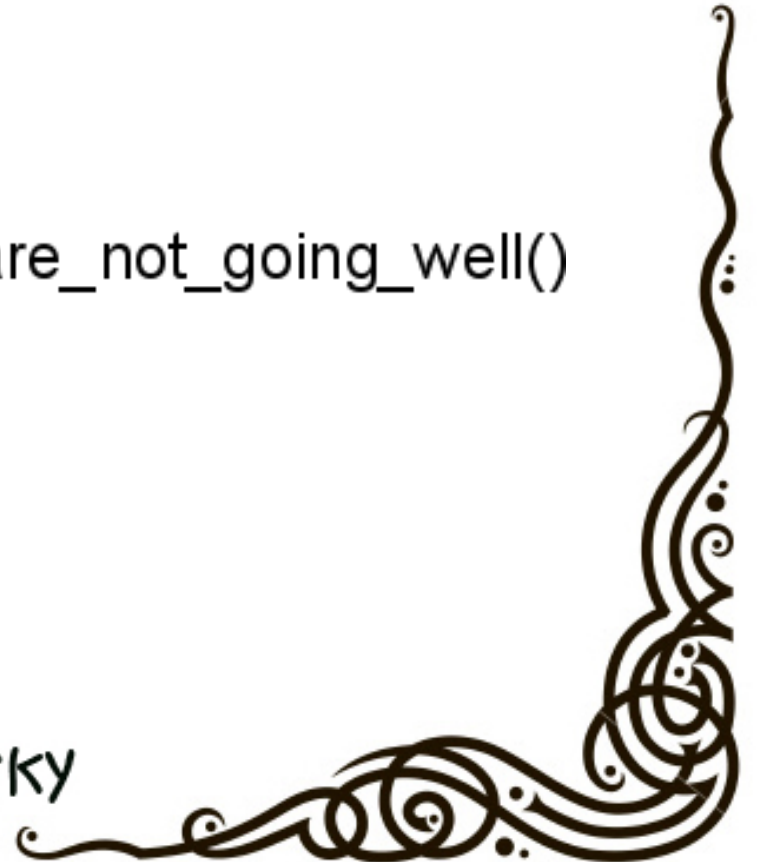
Chapter 1.

Event triggered programs



→ Things_are_not_going_well()

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Chapter 1.

Event triggered programs



`She_is_cute()`

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Chapter 1.

Event triggered programs



→ Lay_off_coming()

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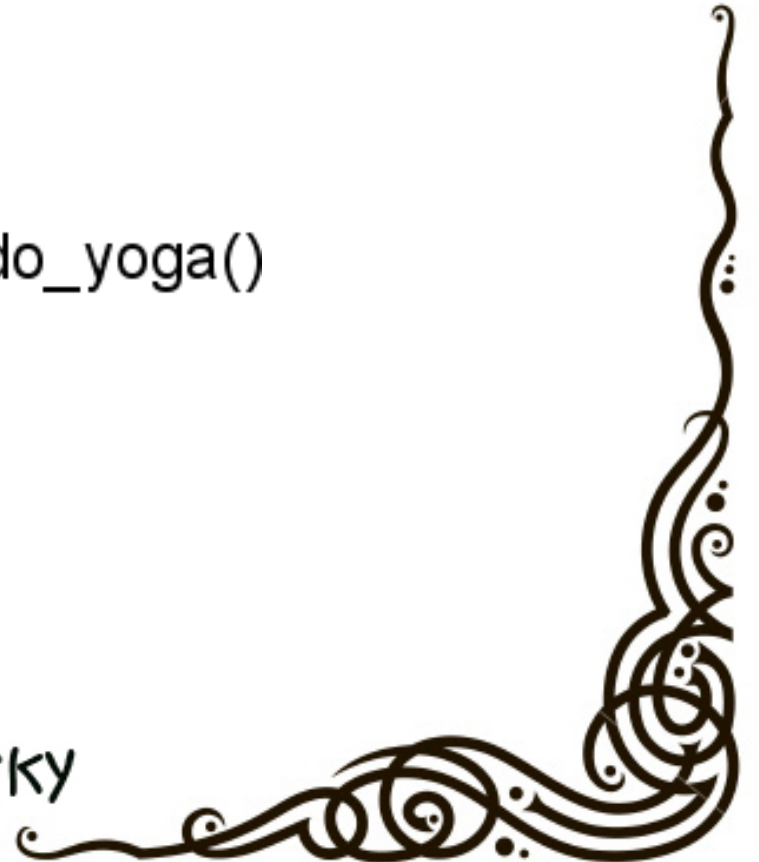
Chapter 1.

Event triggered programs



→ Got_to_do_yoga()

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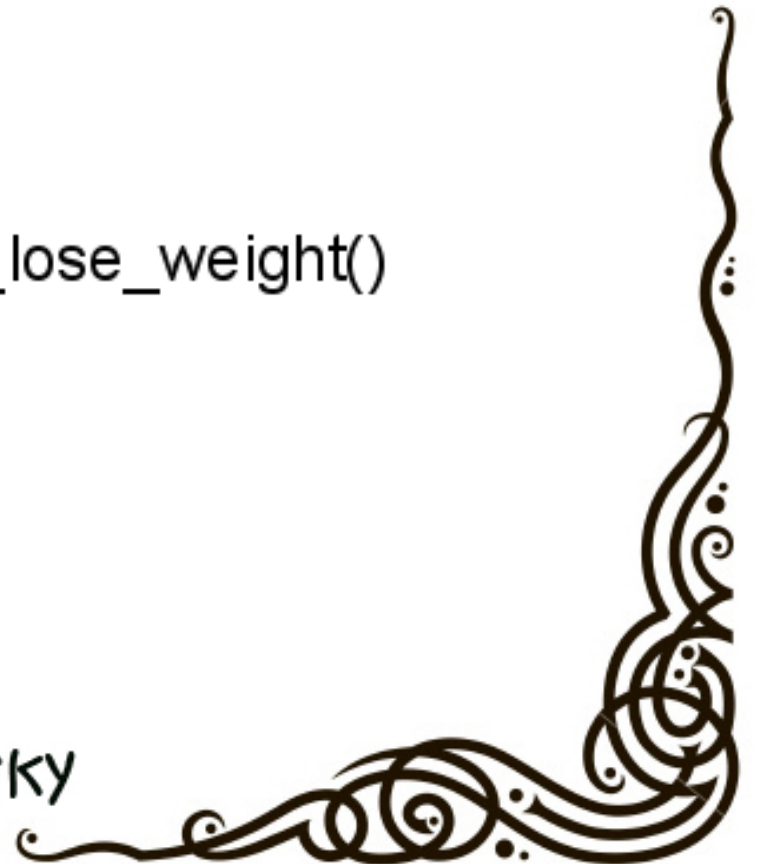
Chapter 1.

Event triggered programs



Should_lose_weight()

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Chapter 2. *Design anti-patterns*

Anti Pattern #1: Survivor

Signs: **Fight or Flight**



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Chapter 2. *Design anti-patterns*

Anti Pattern #1: Survivor

Signs: **Fight or Flight**

Fix: **Relax, feel safe**
Boss != Bear



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Chapter 2. *Design anti-patterns*

Anti Pattern #2: Off the hook

Signs: **Blaming**



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Chapter 2. *Design anti-patterns*

Anti Pattern #2: Off the hook

Signs: **blaming, excuses**

Fix: **Ask: Is it worth it?**



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Chapter 2. *Design anti-patterns*

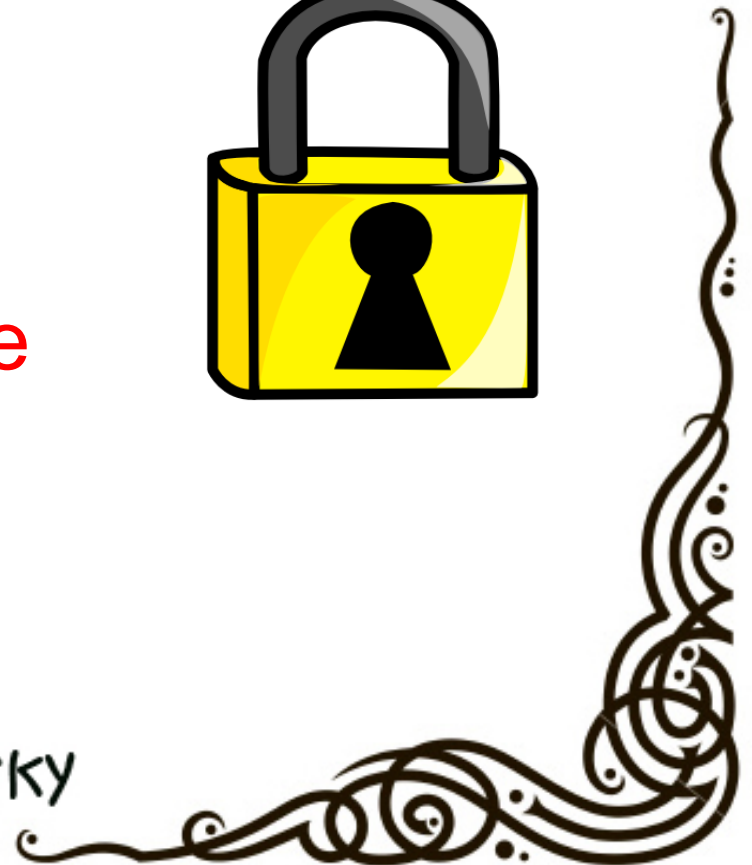
Anti Pattern #3: Lock

Signs:

Waiting for something else



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Chapter 2. *Design anti-patterns*

Anti Pattern #3: Lock

Signs:

Waiting for something else

Fix: Remove the lock - act!



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Chapter 4. *Debugging*

Mon May 10 10:30:00 EDT 2010

Talked to the boss

Mon May 10 12:30:00 EDT 2010

Had lunch with Jane

Mon May 10 13:17:00 EDT 2010

Exception in thread "main" peter.
EmotionOutOfBoundsException:
Emotion out of range: ANGER

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Chapter 4. *Debugging*

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at peter.snaps_at(MrBursky)

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Chapter 4. *Debugging*

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at coworker.fixing_problem(latency)
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at coworker.smarter_than(peter)

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Chapter 4. *Debugging*

Exception in thread "main" peter.
EmotionOutOfBoundsException:
Emotion out of range: ANGER
at peter.snaps_at(MrBursky)
at coworker.fixing_problem(latency)
at peter.supposed_to_fix(latency)
at coworker.smarter_than(peter)
at peter.not_smart()

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Chapter 4. *Debugging*

1. Find exception
2. Look at the stack dump
3. Fix the bug
4. Test

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Chapter 5. *Desired Output*

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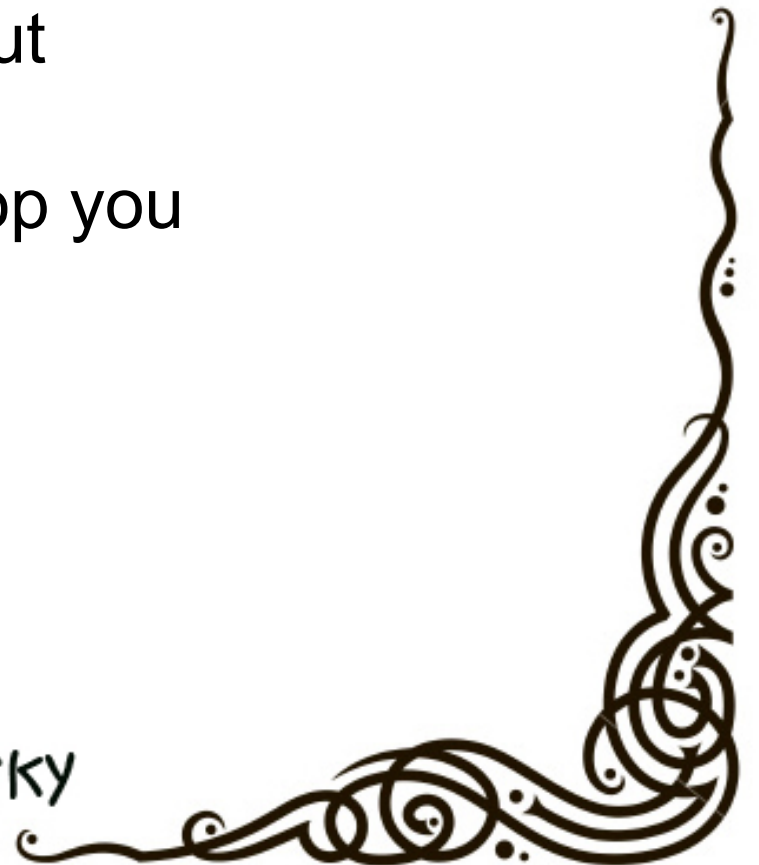




Chapter 5. *Desired Output*

1. Come up with Desired Output
2. Identify anti-patterns that stop you
3. Refactor
4. Define Action Items

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misha.leder@gmail.com

The End



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