Refactor, Don't Rebuild

## By: Eli White

CTO & Founding Partner:
musketeers.me
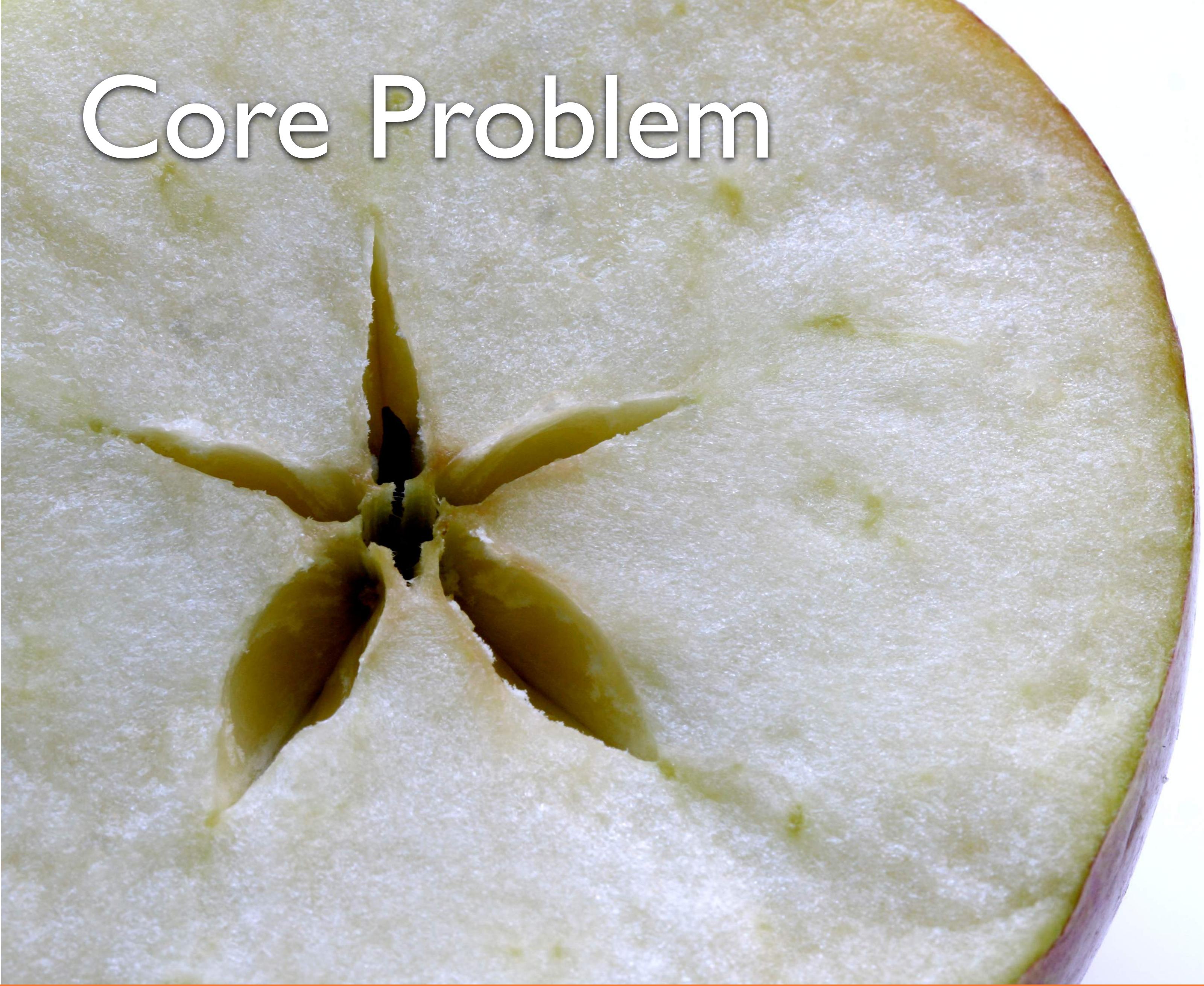
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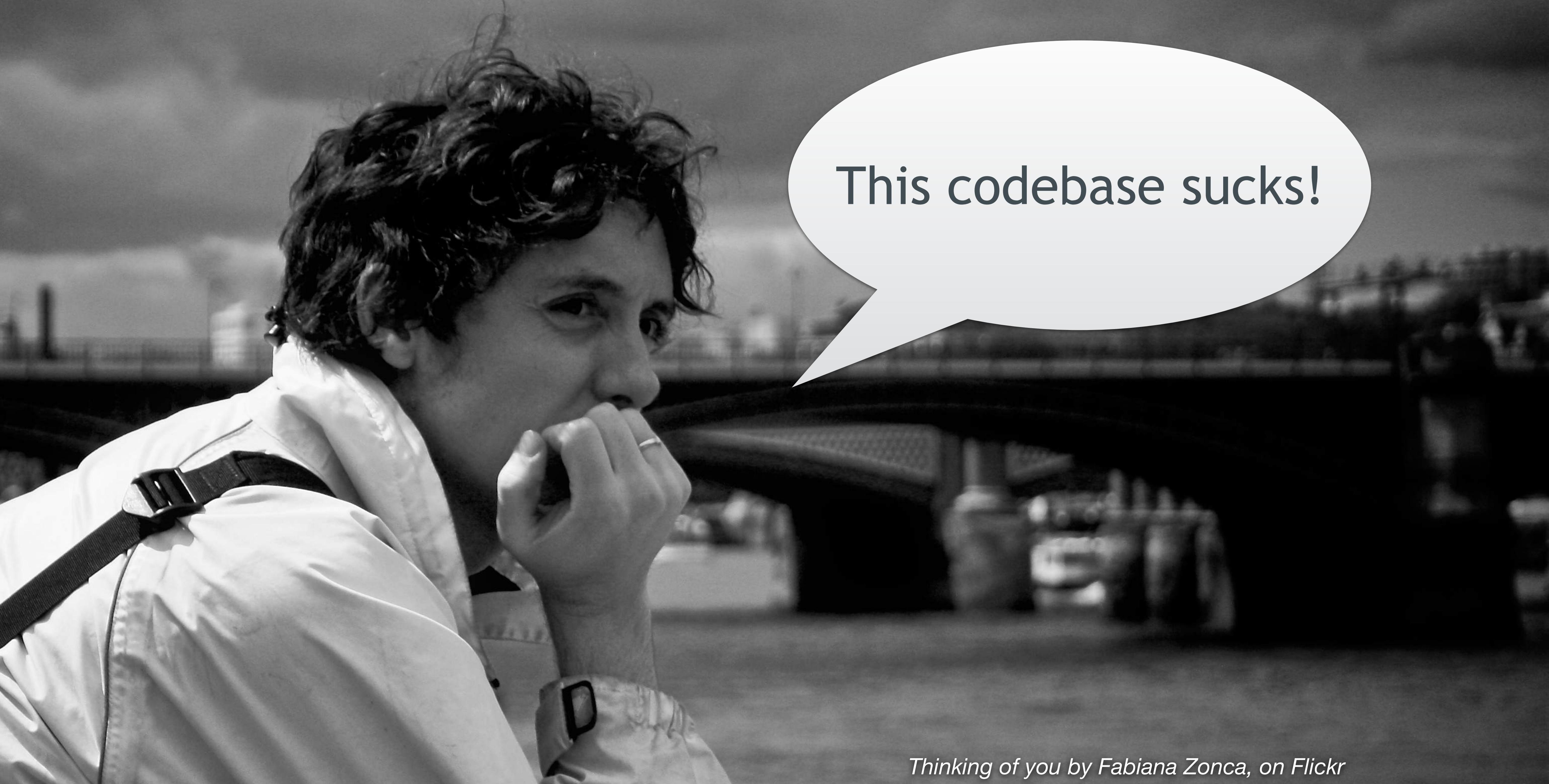
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Core Problem

an apple a day by Jack Tinney, on Flickr

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Thinking of you by Fabiana Zonca, on Flickr

Code Doesn't Rot

Rotten Apples by Stephen Butler, on Flickr

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Fundamental Problem

Complicated Pile by Christophe / saturnino laïchouchen, on Flickr

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Joel's Law

It's harder to read code than to write it.

www.joelonsoftware.com

Do you really think my eyes are bigger than my stomach? by Marin, on Flickr

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Bugs

Cotton Harlequin Bugs by Louise Docker, on Flickr

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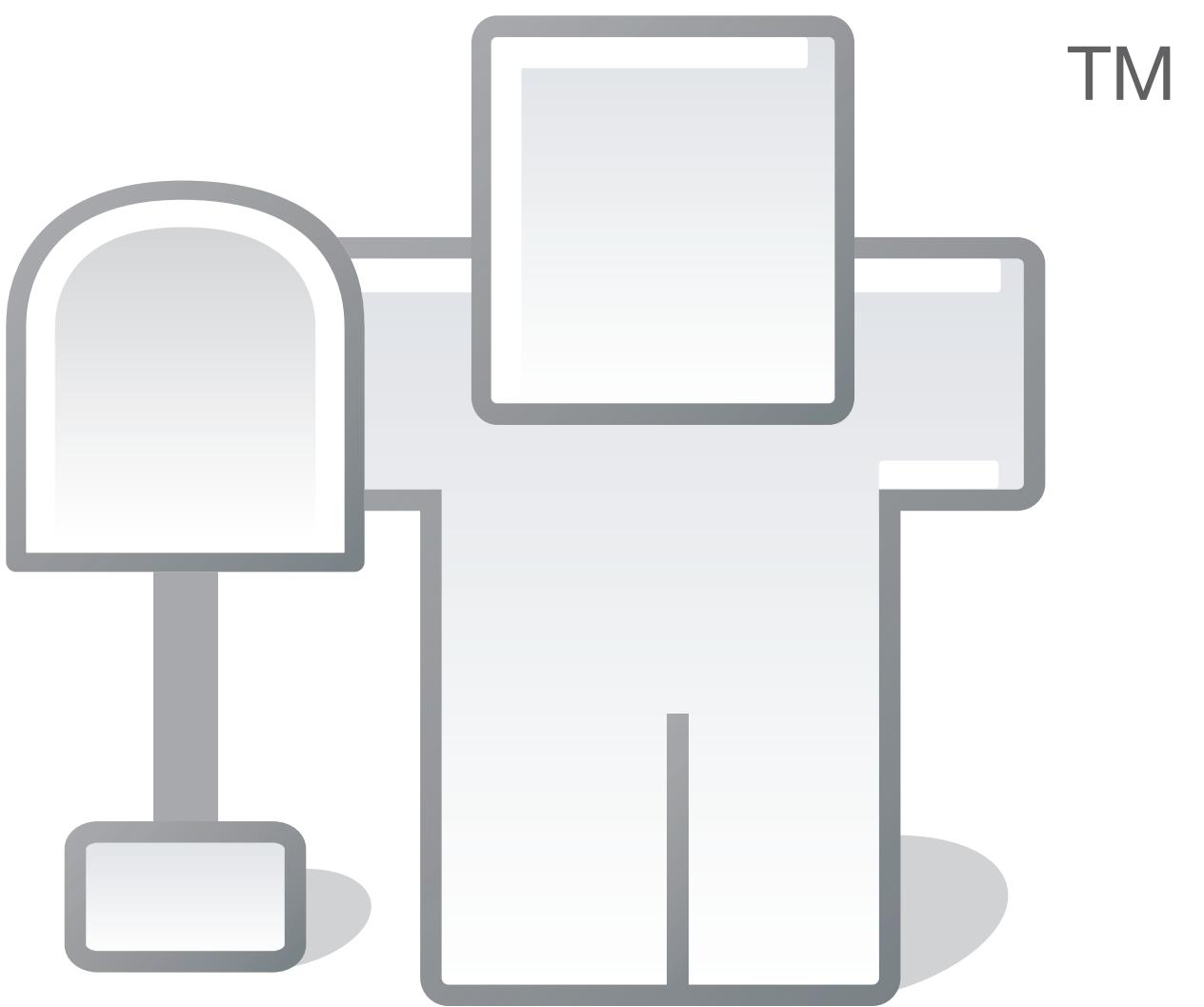
Dislike of Complication

Complicated by Rohit Mattoo, on Flickr

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Complication Good

```
385    #endif                              fprintf(stderr, "Red viotation
386    #endif                                  return 0;
387                }
388
389    #ifdef VERBOSE_RBT_VERIFY
390        if (left)
391            printf("\"%ld%c%c\"
392        if (right)
393    #endif    printf("\"%ld%c%c\"
394
395
396
397
398        height_l = rbt_verify_n(left, compare);
399        height_r = rbt_verify_n(right, compare);
400
401        // Verify BST property.
402        if (((left != NULL) && (compare->cc
403            ((right != NULL) && (comp
404            {
405    #ifndef VERBOSE_RBT_VE
406    #else    FAIL
```

Code by Michael Himbeault, on Flickr

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Example

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Lost Time
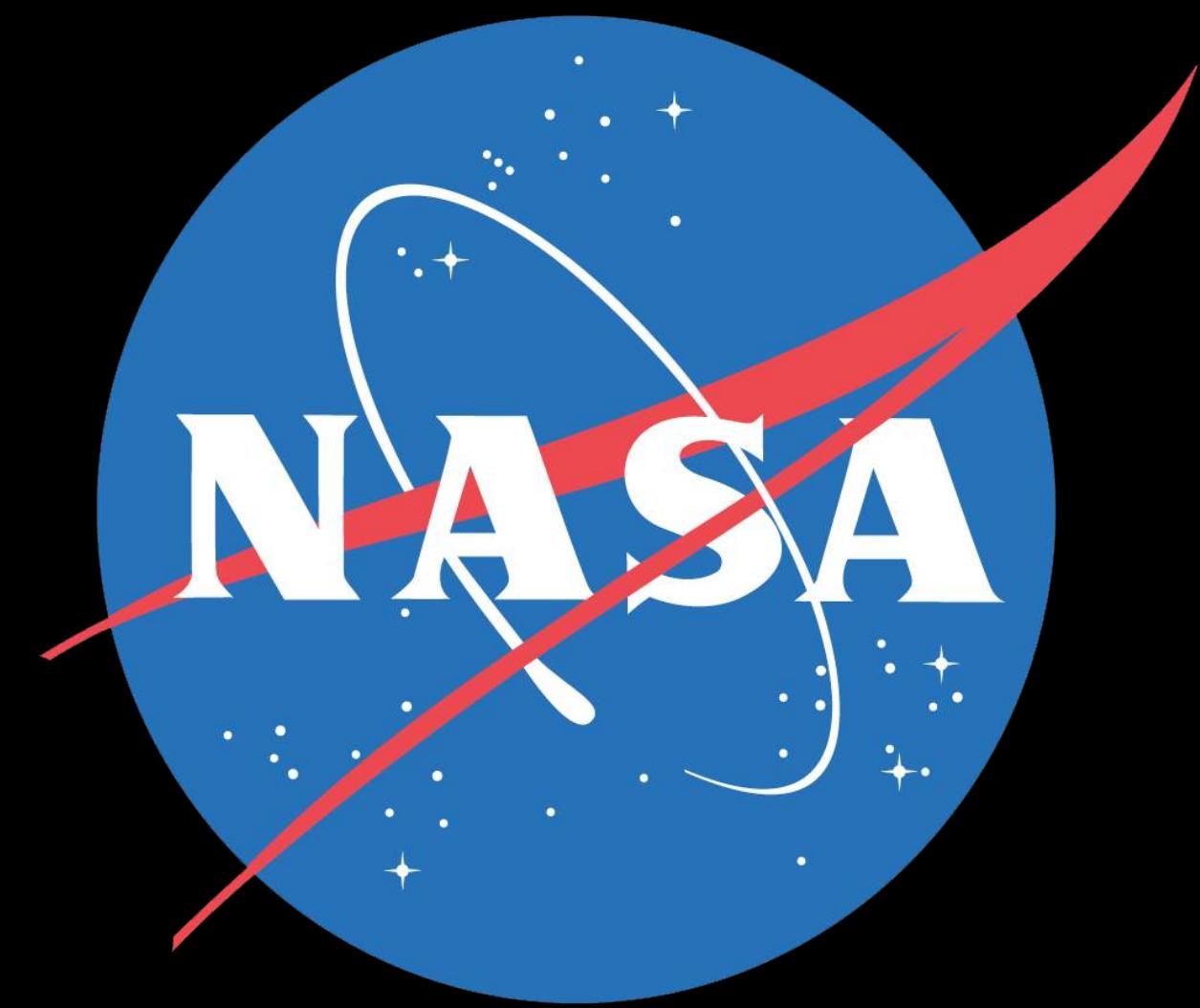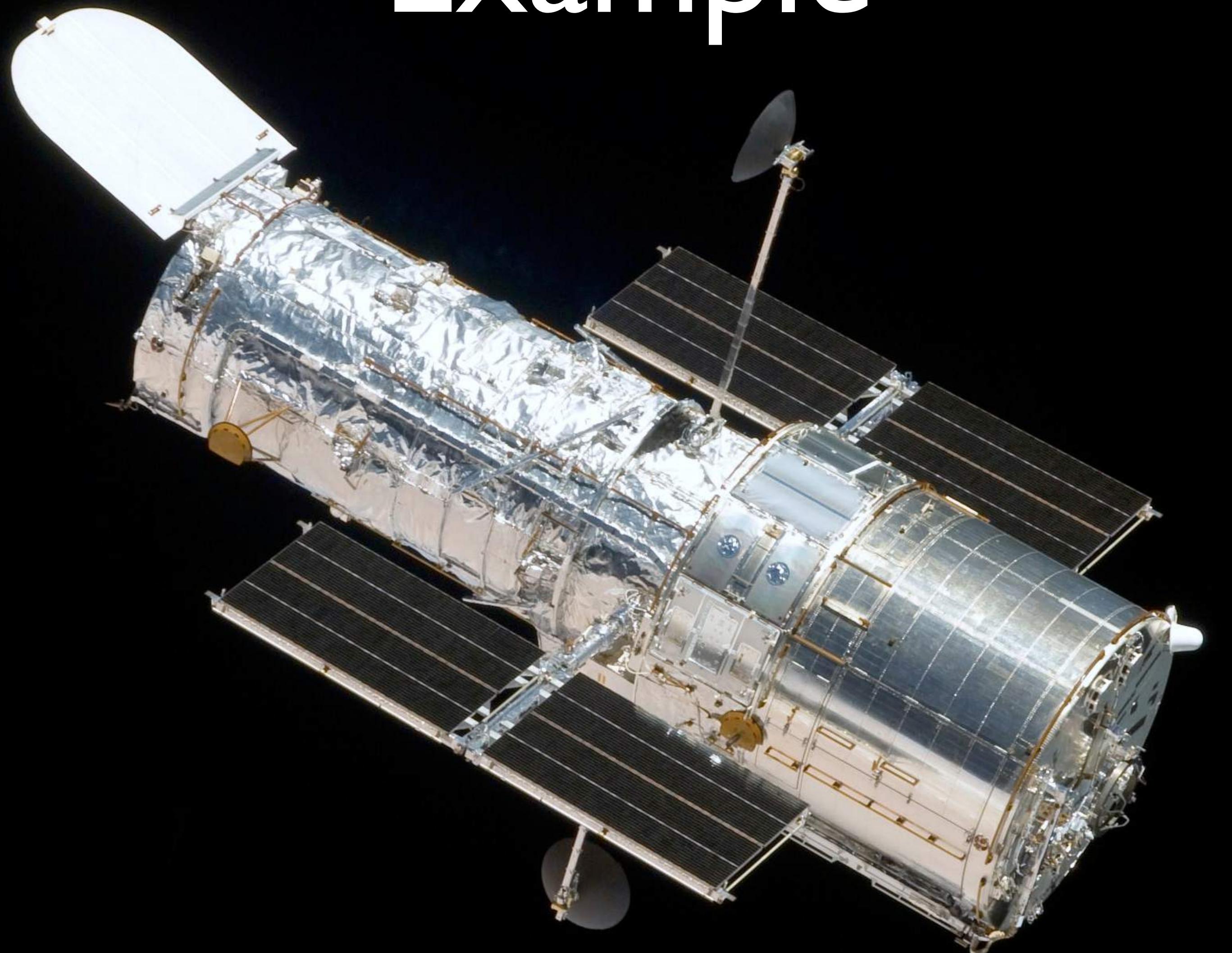
The Passage of Time by Toni Verdú Carbó, on Flickr

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Example

NETSCAPE®

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Example

Products Never Ship

Ship Portrait - "Elissa" by Louis Vest, on Flickr

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Example: Microsoft

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Loss of Functionality

Skin Deep by David Blackwell, on Flickr

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Example

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Example

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What to do?

danger ranger by john curley, on Flickr

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Break it Up

break by Paul Goyette, on Flickr

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Example: Digg & MVC

Fancy Digg HQ Sign by Scott Beale, on Flickr

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Example

Example: Hubble Releases

The Sombrero Galaxy — NGC 4594 (M104)   HUBBLESITE.org

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Recap
Rebuild
Refactor

RSS hats in China by Robert Scoble, on Flickr

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Questions?

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