RUSTICI SOFTWARE

Mike Rustici & Ben Clark *

Rustici Software *

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ImplementationFest 2011

m

LEEF
Learning and Entertainment Evolution Forum

Whatcha Doin?

SCORM's Success

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Before SCORM

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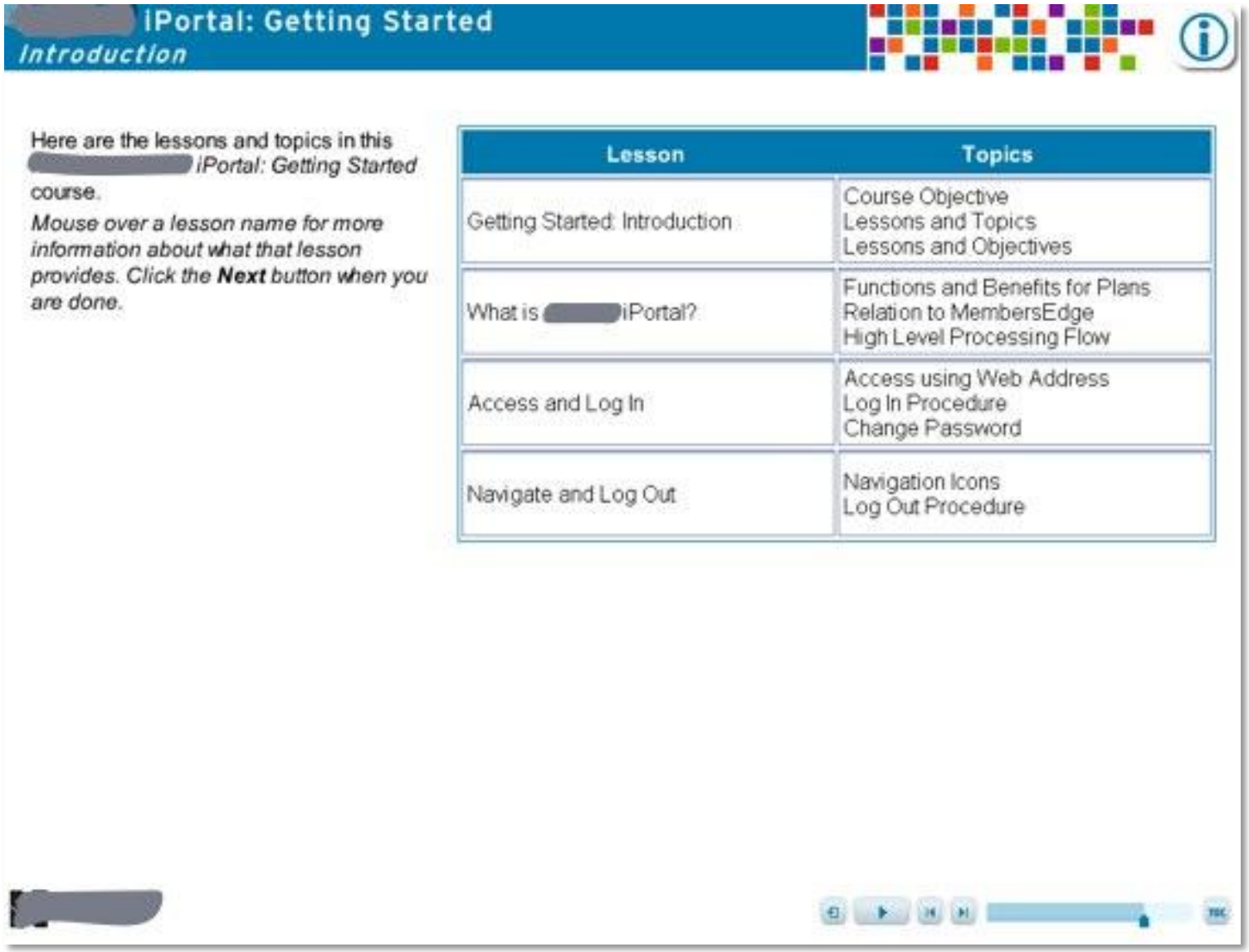
After SCORM

SCORM ~~is~~ was State of the Art


[redacted] iPortal: Getting Started
Introduction
Here are the lessons and topics in this [redacted] iPortal: Getting Started course.
Mouse over a lesson name for more information about what that lesson provides. Click the Next button when you are done.
Lesson
Topics
Getting Started: Introduction
Course Objective
Lessons and Topics
Lessons and Objectives
What is [redacted] iPortal?
Functions and Benefits for Plans
Relation to MembersEdge
High Level Processing Flow
Access and Log In
Access using Web Address
Log In Procedure
Change Password
Navigate and Log Out
Navigation Icons
Log Out Procedure
[redacted]

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conference website

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It Can
Be Done…

But It's
Not Pretty

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What are the roadblocks?

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To The Rescue

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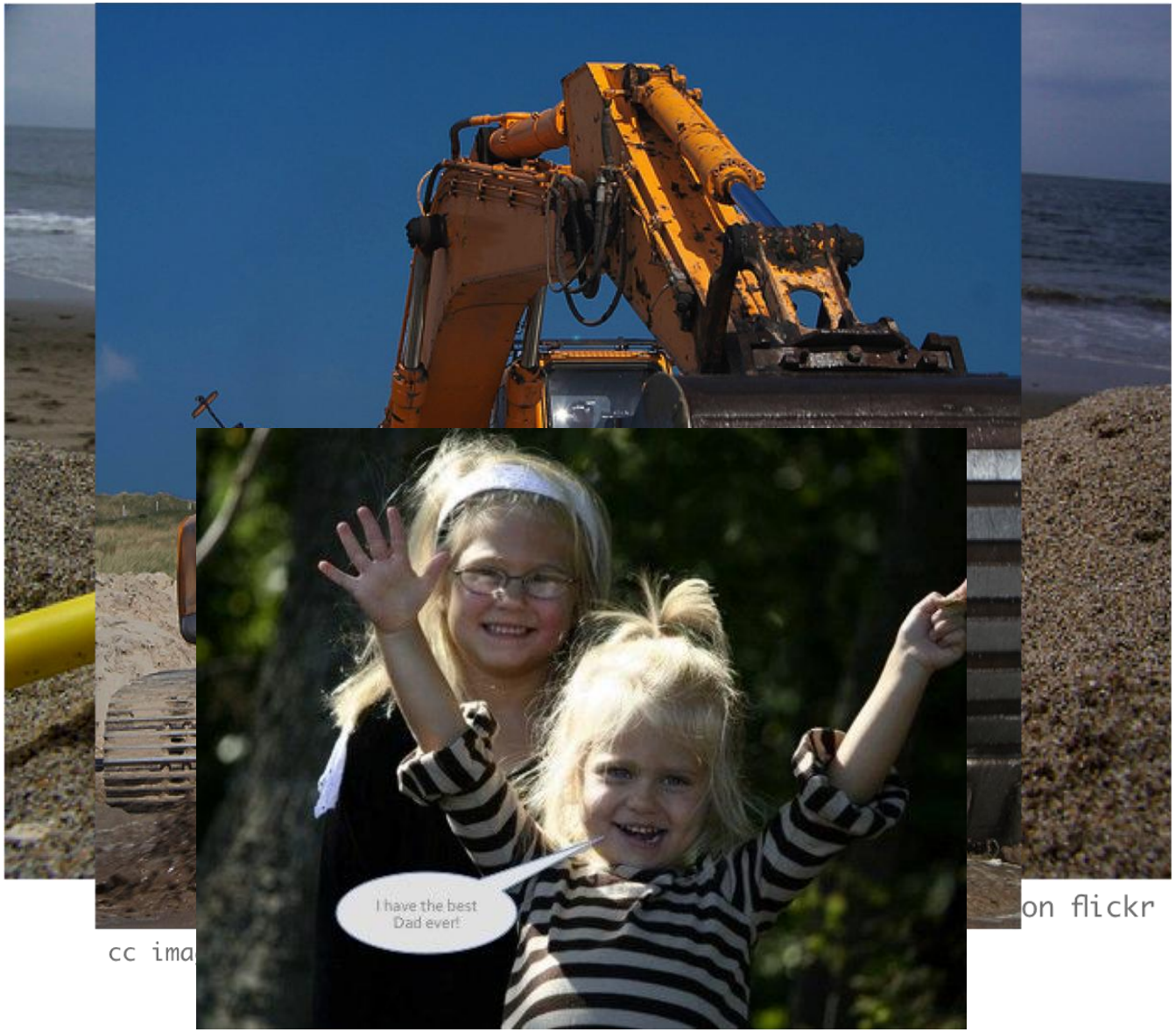
- ADL
  - FLEX
  - Project Tin Can
- AICC
  - CMI 5
  - PENS
- LETSI
  - RTWS
  - CaaS
- IMS
  - Common Cartridge
  - LTI

PROJECT
tin can



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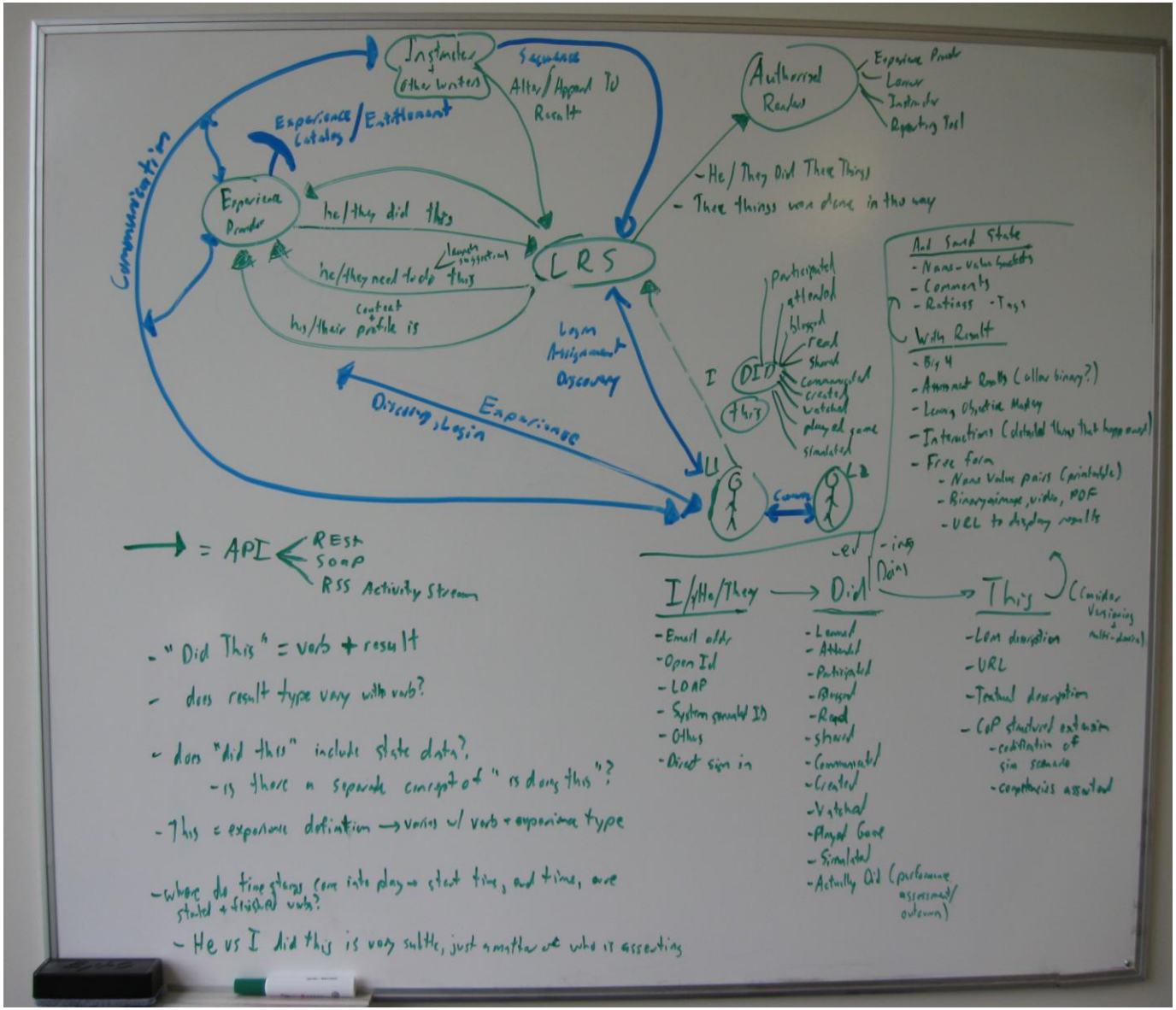
on flickr

Simplicity

Power

I Did This


Instructor + Other Writers
Sequence
Alter/Append To Result
Authorized Readers
Experience Provider
Learner
Instructor
Reporting Tool
Experience Catalog / Entitlement
Communication
Experience Provider
he/they did this
he/they need to do this
launch suggestion
his/their profile is
context + profile is
LRS
Login Assignment Discovery
Discovery, Login
Experience
- He/They Did These Things
- These things were done in this way
And Saved State
- Name-Value Buckets
- Comments
- Ratings - Tags
With Result
- Big 4
- Assessment Results (allow binary?)
- Learning Objective Mastery
- Interactions (detailed things that happened)
- Free form
- Name Value pairs (printable)
- Binary, image, video, PDF
- URL to display results
participated
attended
blogged
read
shared
communicated
created
watched
played game
simulated
I
DID
this
L1
L2
Comm
= API
REST
SOAP
RSS Activity Stream
I/He/They
Did
This
- Email addr
- Open Id
- LDAP
- System generated ID
- Others
- Direct sign in
- Learned
- Attended
- Participated
- Blogged
- Read
- Shared
- Communicated
- Created
- Watched
- Played Game
- Simulated
- Actually Did (performance assessment/outcomes)
- Loan description
- URL
- Textual description
- CoP structured extension
- codification of sim scenario
- competencies assorted
- "Did This" = verb + result
- does result type vary with verb?
- does "did this" include state data?
- is there a separate concept of "is doing this"?
- This = experience definition → varies w/ verb + experience type
- where do time stamps come into play → start time, end time, are started + finished verbs?
- He vs I did this is very subtle, just a matter of who is asserting

I
Noun
Did
Verb
This
Object

I completed “Explosives Training”

Crew #8 completed “Explosives Training”

Mike Taught "Explosives Training"

Mike Successfully Handled Explosives

Mike completed "F-16 Engine Failure Scenario Simulation"

Mike taught "SCORM For Simulations at LEEF 2011"

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1. On the fly entity creation

2. Device transition

I
Noun
Did
Verb
This
Object

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scorm.com

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Mike taught

"SCORM For Simulations at LEEF 2011"

cc image from Håkan Dahlström on flickr

Crew #8 attended

"SCORM For Simulations at LEEF 2011"

cc image from Håkan Dahlström on flickr

Johnny participated in

"SCORM For Simulations at LEEF 2011"

cc image from Håkan Dahlström on flickr

Ben authored

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cc image from Joe Lencioni on flickr

I

Watched

"Kahn Academy, Pattern of US Cold War Interventions"

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I

Read

"*The Cold War: A Military History*", by Ambrose, Carr, Fleming et al

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I

Passed

"*The End of the Cold War*",
University of Georgia - History 4091

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I

Simulated

The Cuban Missile Crisis as Robert McNamara

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I

Played

Negotiation in Motion

cc image from Joe Lencioni on flickr

I

Experienced

Berlin Wall in Second Life

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cc image from Joe Lencioni on flickr

I

Was Mentored

By Stephen Ambrose

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I

Blogged

"My Childhood and the Cold War"

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I **Watched** "*Kahn Academy, Pattern of US Cold War Interventions*"

I **Read** "*The Cold War: A Military History*", by Ambrose, Carr, Fleming et al

I **Passed** "*The End of the Cold War*", University of Georgia - History 4091

I **Simulated** *The Cuban Missile Crisis* as Robert McNamara

I **Played** *Negotiation in Motion*

I **Experienced** Berlin Wall in Second Life

I **Was Mentored** By Stephen Ambrose

I **Blogged** "*My Childhood and the Cold War*"

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Team 2 wrote

"Impacts of the Cold War on Explosive Technology"

Mike edited

"Impacts of the Cold War on Explosive Technology"

Professor Smith graded

"Impacts of the Cold War on Explosive Technology"

Professor Smith gave Mike an A on

"Impacts of the Cold War on Explosive Technology"

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Professor Smith gave Team 2 a B on

"Impacts of the Cold War on Explosive Technology"

SCORM made easy
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Team 2 wrote "Impacts of the Cold War on Explosive Technology"

Mike edited "Impacts of the Cold War on Explosive Technology"

Professor Smith graded "Impacts of the Cold War on Explosive Technology"

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Professor Smith gave Team 2 a B on "Impacts of the Cold War on Explosive Technology"

What's Missing?

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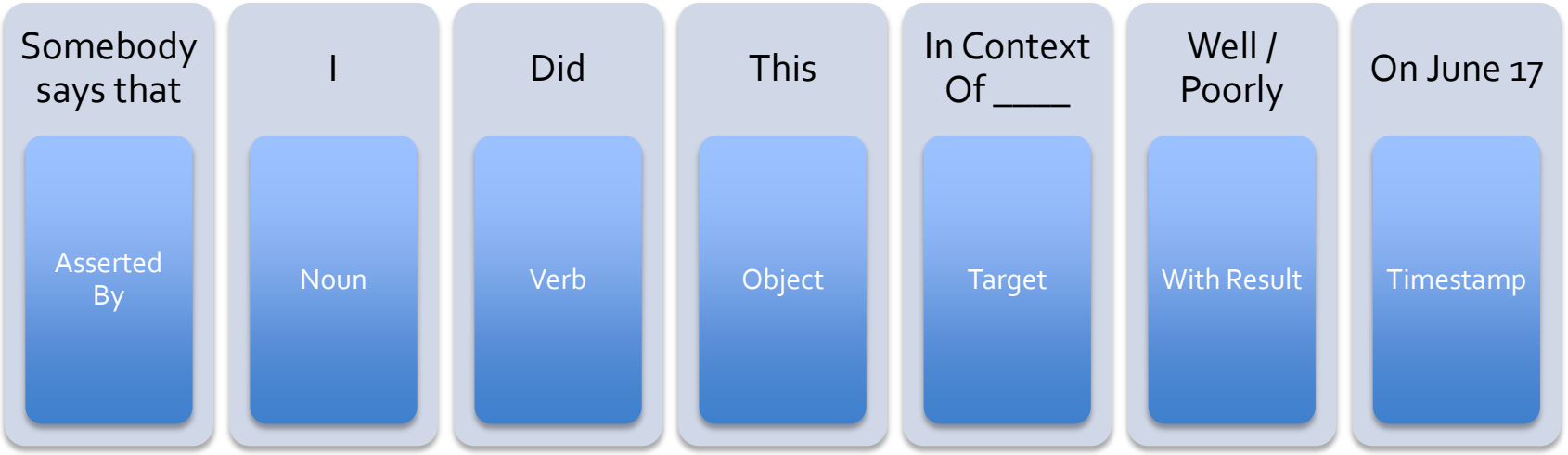
- Out of Browser Experiences
- Offline and Occasionally Connected
- Cross Domain
- Alternate devices and formats (mobile)
- Security
- Decoupled data models

I
Noun
Did
Verb
This
Object


Somebody says that
Asserted By
I
Noun
Did
Verb
This
Object
In Context Of ____
Target
Well / Poorly
With Result
On June 17
Timestamp

We Didn't Make This Up

I

- Email address
- Open Id
- Organizational Id
- System Id

Did

- Learned
- Attended
- Participated
- Player
- Simulated
- Watched
- Wrote
- Answer
- Passed

This

- URL
- Textual Description
- Structured Learning Object Metadata
- Repository Handle
- CoP
  - Simulation Definition

Planting Seeds

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Project Tin Can
http://www.scorm.com/tincan * @projecttincan

ADL Flex
https://sites.google.com/a/adlnet.gov/future-learning-experience-project/home * @lrnEXP

LETSI RTWS
http://www.letsi.org * @letsi

AICC CMI 5
http://aicc.org