

**Inspire**  
the world  
to learn

#BbWorld15

**Anecdotal  
Evidence:  
Let the Data Tell the  
Story**

Rachel Scherer  
LMS Administrator

Marcos Montero  
Product Manager

**DEVCON 2015**

## Our Institution

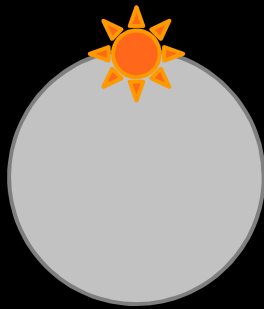
- A fully-online and LMS-centric institution
- Centralized course development processes
- Robust data/reporting processes supporting both regulatory and compliance requirements
- 5- and 7- week overlapping course schedule tracks
- A rapidly-changing and integrated environment

## We Run On Students

- Well-documented student lifecycle
- Outreach is key to student engagement and persistence
- 10+ student-facing teams to support/coach students
- Outreach decisions are prioritized by defined, reported metrics
  - (lack of) gradable item submission
- Current state of reporting: Dashboard (one-stop shop) for student-facing teams

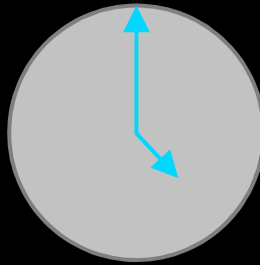
# Our Reporting Environment

## Nightly



- OpenDb refresh
- Grade Extract B2
- GB Extract cmd line

## Hourly



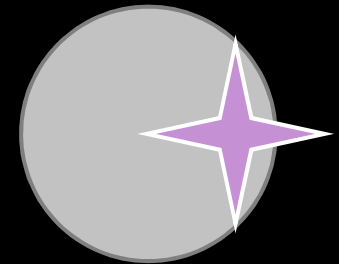
- Operational reporting, SIS integration
- Participation Reporting
- Engagement Reporting

## Ad Hoc



- Business Intelligence
- Strategic / Tactical decisions

## Real-time

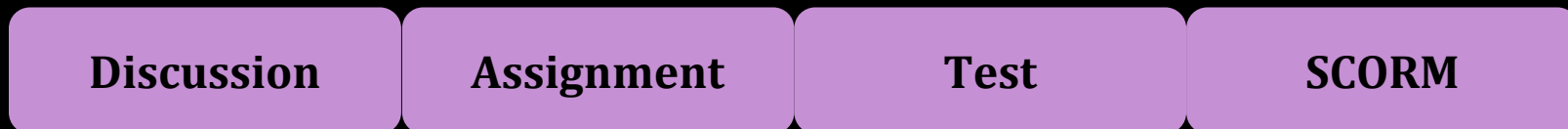


- Actionable insights to support real-time outreach
- Logins, submissions, and grades

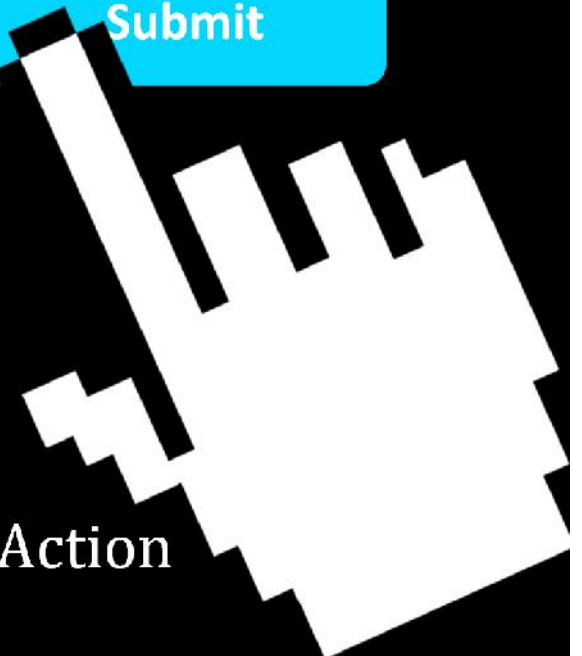
PROPOSED

# The Gap

- Large volume of data... but



- A day as an advisor
- Stale data = stale advising



Real Time Submission Data Enables us to Take Action

# A Proposed Approach: The Gradebook In Real Time

- The Gradebook

Last Name	First Name	Wk 2 - Keyboar	Week 2 Grade	Wk 3 - IHMO Di	Wk 3 - IHMO Te	Wk 3 - LOM As	Wk 3 - LOM Te
Student	Development Affiliat	30.00	100.00%	30.00	45.00	30.00	45.00
Student	Development Affiliat	--	0.00%	--	--	--	--

student + gradable item name + score + submission date

Student<sup>(1)</sup> + gradable item name<sup>(2)</sup> <sup>(3)</sup> + score<sup>(4)</sup> + submission date<sup>(5)</sup>

<sup>(1)</sup> unless it was an instructor or TA

<sup>(2)</sup> if you can find it

<sup>(3)</sup> may vary for certain item types

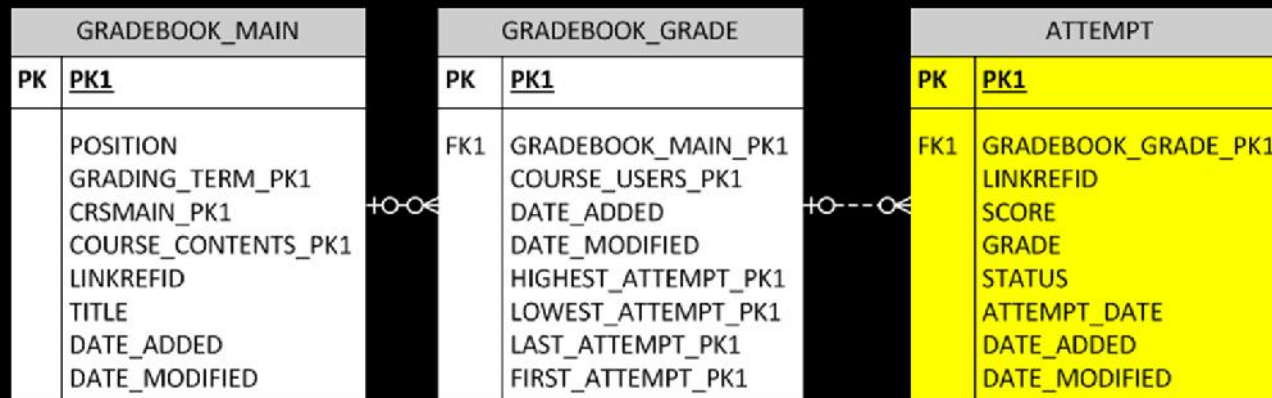
<sup>(4)</sup> of ordered attempt

<sup>(5)</sup> not terribly trustworthy

depending on type

# A Proposed Approach: The Gradebook In Real Time

- ATTEMPT

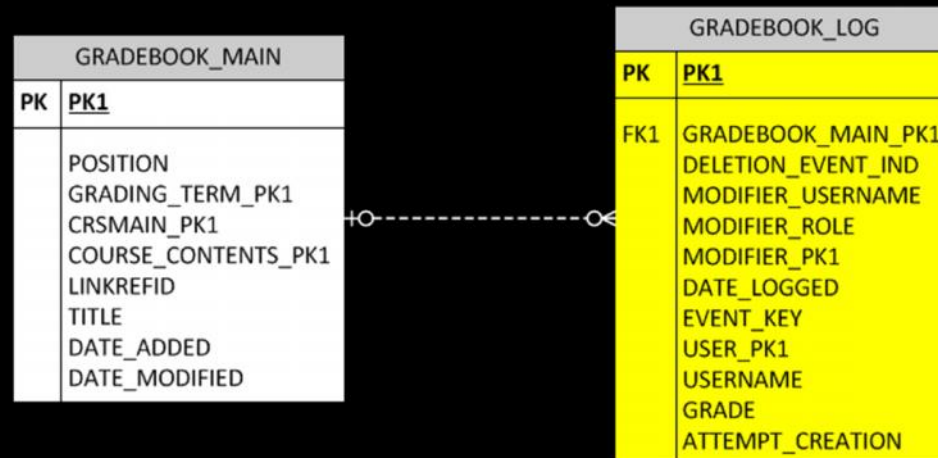


## Protips:

- (1) Attempt is granular, but not *that* granular
- (2) Attempt Date and Last Modified Date can be misleading
- (3) Non-students can create attempts on behalf of students
- (4) No record of cleared attempts
- (5) McGraw Hill and 3rd Party integrations (linkrefid field)

# A Proposed Approach: The Gradebook In Real Time

- GRADEBOOK\_LOG



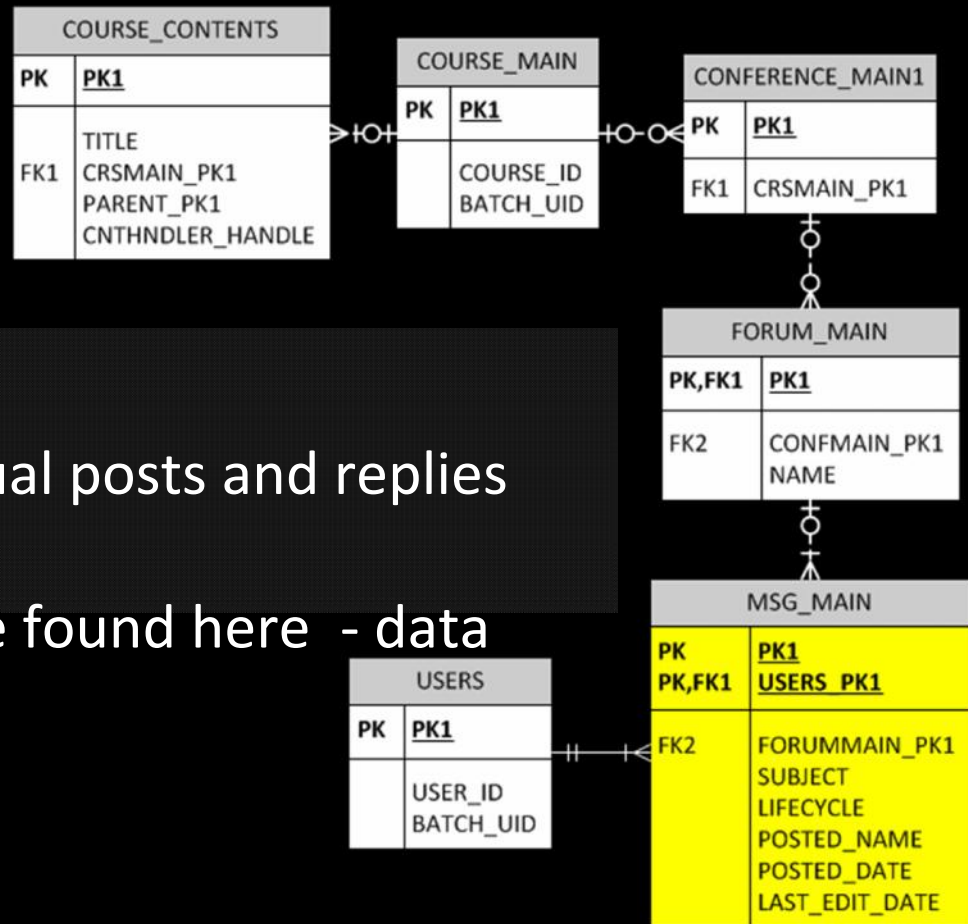
## Protips:

- (1) Information on cleared/deleted attempts can be found here
- (2) Good source for Assignments and Tests
- (3) Event Key and Modifier UserID



# A Proposed Approach: The Gradebook In Real Time

- MSG\_MAIN

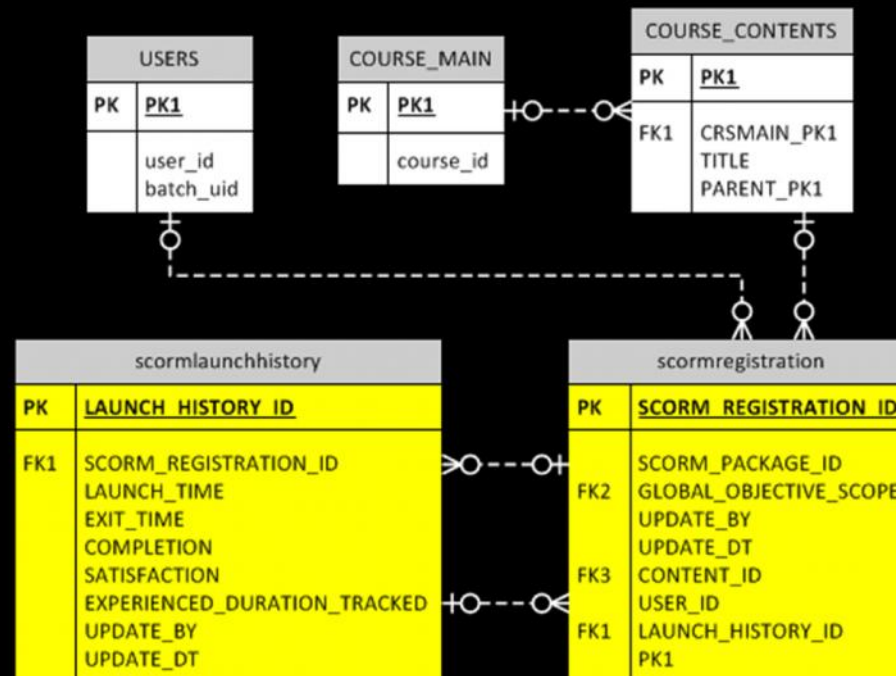


## Protips:

- (1) Only place to find individual posts and replies in a forum
- (2) No deletion events can be found here - data not historically persistent

# A Proposed Approach: The Gradebook In Real Time

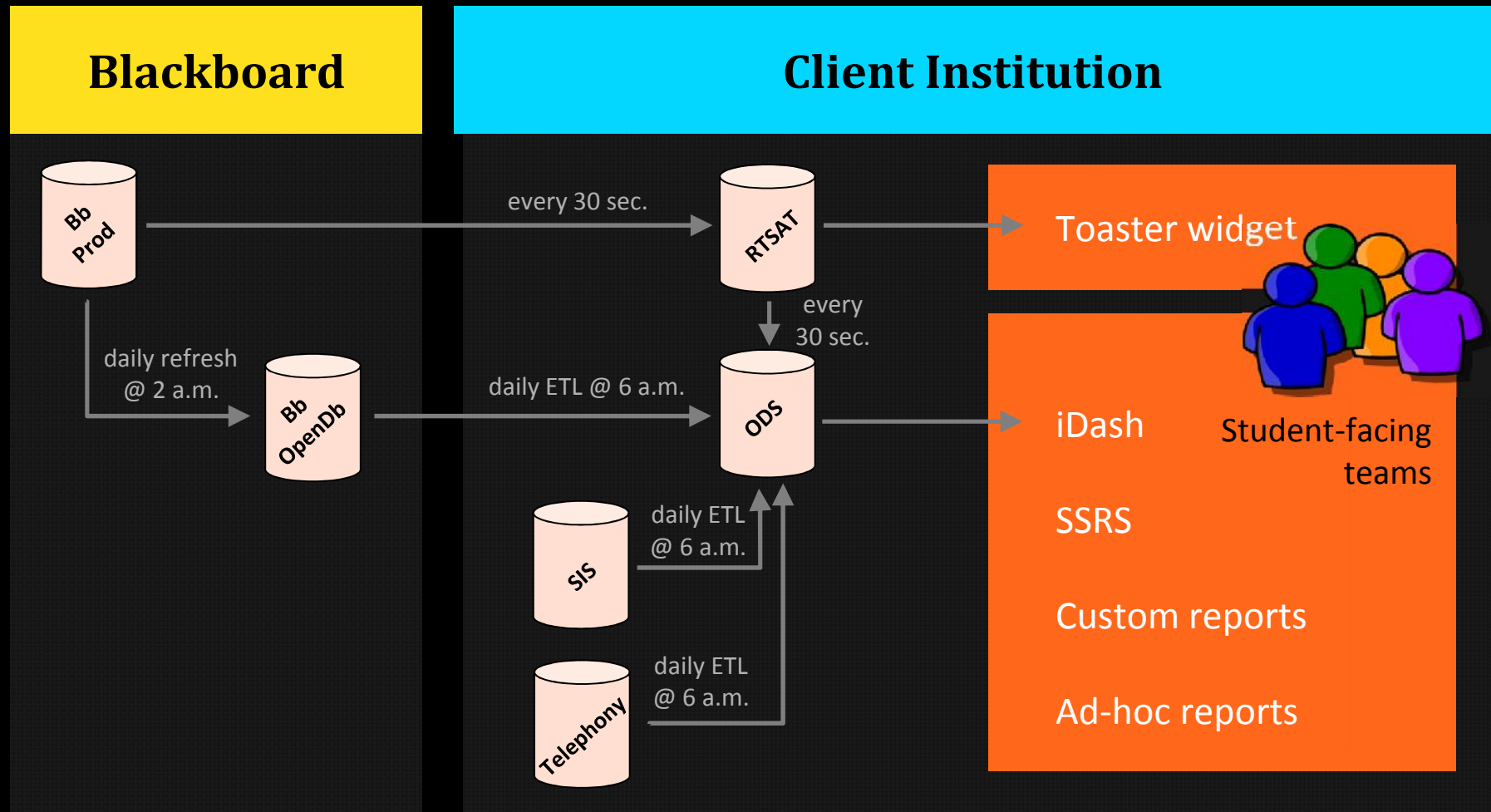
- SCORM\_REGISTRATION and SCORM\_LAUNCH\_HISTORY



Protips:

(1) Individual launch plus completion status

# A Proposed Approach: The Gradebook In Real Time



The Goal: Meaningful information, in one place, to support our staff and students





# Questions?

**Rachel**

[rscherer@ultimatemedical.edu](mailto:rscherer@ultimatemedical.edu)

**Marcos**

[mmontero@ultimatemedical.edu](mailto:mmontero@ultimatemedical.edu)