Oregon State University Attendance Tracking

“If you can't measure it, you can't improve it. - Peter Drucker
About Us

OSU

Founded: 1868
Enrollment: 29,113 (winter ’17)
Mascot: Benny Beaver
Campuses: Corvallis, Bend & Newport, OR
Corvallis pop: 55K
Other: one of two land, sea, space and sun grant universities in the country

ID Center

Part of: Business Affairs

Personnel: 2.5
Student workers: 4
Funding: Service Center (not E&G)
Annual Budget: ~$470K
OSU ID Center
OSU ID Center
ID Card System Background

• Previous campus card system
  • Servers on Campus
  • Proprietary hardware
  • Complex billing

• Home Grown Attendance System (Previous)
  • Home grown (using FileMaker)
  • Help to formulate campus needs/desires in software operation
  • Once developed users came forward

• Transition to Atrium in June 2016
  • Campus card system
  • Point of Sale (Sequoia)
  • Attendance

• Diverse Groups using Attendance (Student affairs, athletics, colleges)
  • Usage growing
  • Working on next version
Desired Attributes

• Simple design/functionality
• Versatile
• Scalable
• Off-the-shelf Hardware
• Secure
• Reliable
• Cost effective
• Compartmentalized
• Distributed management (including data access)
• Work with existing & future card technology
Card System: atrium

• Pros
  • Vendor hosted
  • Mainly web based
  • POS/Attendance
  • Innovative
  • Flexible

• Cons
  • New to market
  • Growing pains
Attendance (aka Activities) Hierarchy (abbreviated)
ADD GROUPS UNDER DEPARTMENT

Campus
- Main Campus
- Cascade Campus

Department
- Student Affairs
- College of Business
- Department

Group (optional)
- Community Involvement
- Student Experience

Event
- Event A
- Event B
- Event C
- Event D
- Event E
- Event F
- Event G
Current Use - Attendance Only

- June 20, 2016 through March 16, 2017

<table>
<thead>
<tr>
<th>Department</th>
<th>Events</th>
<th>Transactions</th>
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<tbody>
<tr>
<td>Athletics (meals)</td>
<td>4</td>
<td>60,262</td>
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<tr>
<td>Student Affairs</td>
<td>1,178</td>
<td>29,127</td>
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<td>College of Business</td>
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<td>INTO OSU</td>
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<td>Dept of Undergrad Studies</td>
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<td>College of Public Health</td>
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<td>Cashiers &amp; Student Accts</td>
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<td>College of Engineering</td>
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<td>Grad School</td>
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<td>823</td>
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<td>Housing/Dining (Cascades)</td>
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<td>797</td>
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<td><strong>Totals</strong></td>
<td><strong>2,004</strong></td>
<td><strong>128,790</strong></td>
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Our needs?

• Attendance Tracking
  • Student Activities
  • Class Attendance
  • Advising Office
  • Help Desk
  • Ticketing
• Athletics Meals/Ticketing
• Resource Usage
• Verify students/employees
Dataflow

Atrium Activities
Attendance Activity Setup

1. Create Operator (can be person or department)
2. Create Web Reader
Attendance Activity Screen

12 of 20

NACCU: 4 April, 2017
Lookup Activity Screen

Lookup

• No Logging
• Information Only (modifiable)
Data Output

• Data Warehouse Reports (integrates with Banner data)
• Atrium Reports
• Atrium Person Record
• Atrium Data Tools
Hardware

- Server (Atrium Hosted)
- Data Collection Hardware (off the shelf)

**Input Devices**
- USB MSR (IDTech)
- USB Prox Reader (RFIdeas)

**Computing**
- Computer/Chromebook
- Mobile Devices
Solutions

Chromebook with MSR & Prox

iPad w/ Bluetooth MSR
Changes in the works

• Transition to less POS centric interface
• Ability to import by different type IDs
• Easier data access (SQL)
• Changes to make interface more scalable
• Ability to work offline (& sync)
• Greater compartmentalization
Financial Issues

• Previous system (EventTrac) more expensive - tradeoff greater flexibility

• Service Center
  • Must operate with a net zero annual budget
  • All revenue not generated from operations is assessed (UHDS, MU retail & attendance users)

• Billing breakdown – attendance is not an Atrium line item

• Bill by transactions (no differentiating between POS and attendance transactions)
Considerations

• Naming Conventions
• Simple solutions are hard to develop as complexity constantly tries to creep in.
• Stick to a standard
• Wi-Fi performance matters
• If you don’t know – ask!
• Invite criticism
• If you do it you Learn it!
• Be persistent!
That’s All Folks!

• Questions?
• Suggestions?

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