



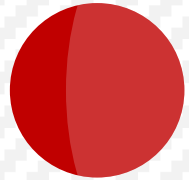
campusM Quarterly Review

June 2018

Matthew Sherlock, Product Director
Jackie Sherlock, Marketing Manager

**ExLibris**
a ProQuest Company

Quarterly Review Agenda



UPDATE ON USER COMMUNITY, INITIATIVES & NEWS



BRIEF ABOUT WHAT HAS BEEN DELIVERED



INFORM ABOUT UPCOMING PRODUCT DEVELOPMENTS



SUMMARY & KEY MESSAGES



User Community, Initiatives & News

ExLibris
a ProQuest Company

New Customers and Go-Lives!



Universiteit
Leiden



MACQUARIE
University



Leeds Trinity
University



THE UNIVERSITY OF
NEWCASTLE
AUSTRALIA



University
of Dundee

Goldsmiths
UNIVERSITY OF LONDON

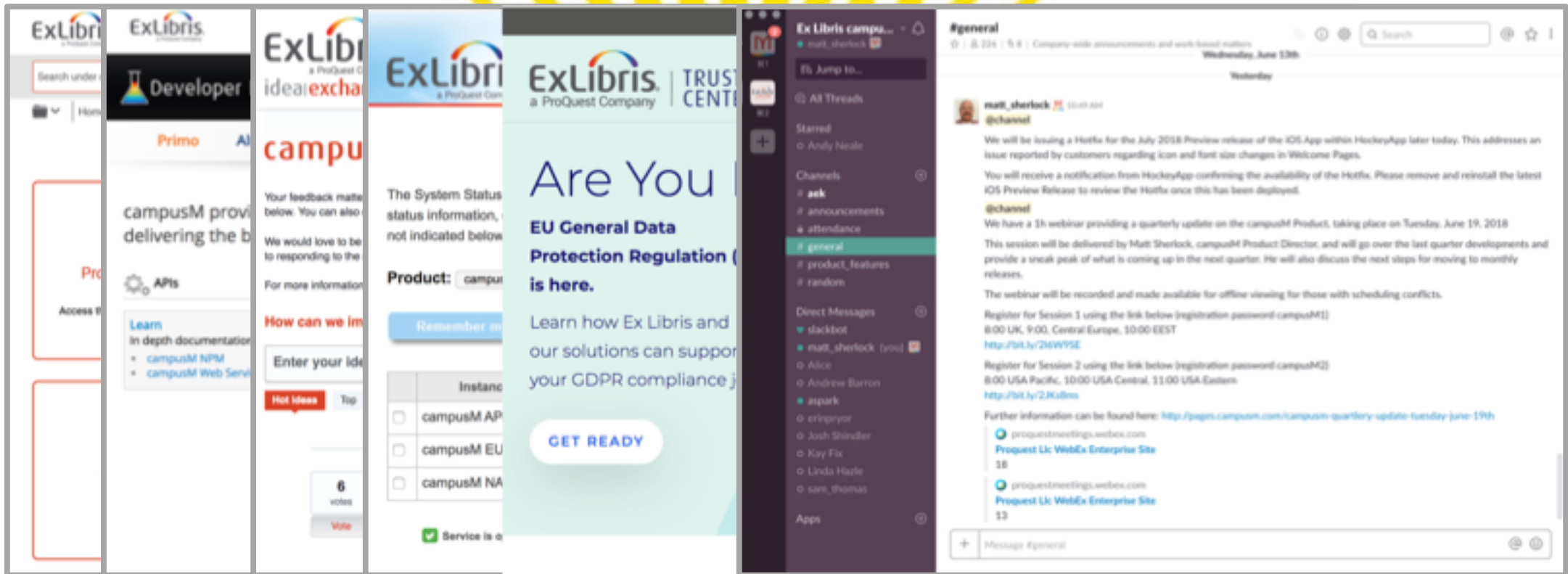


UNF
UNIVERSITY of
NORTH FLORIDA.



TeachFirst

Community Resources



Native Infrastructure Updates



X Code

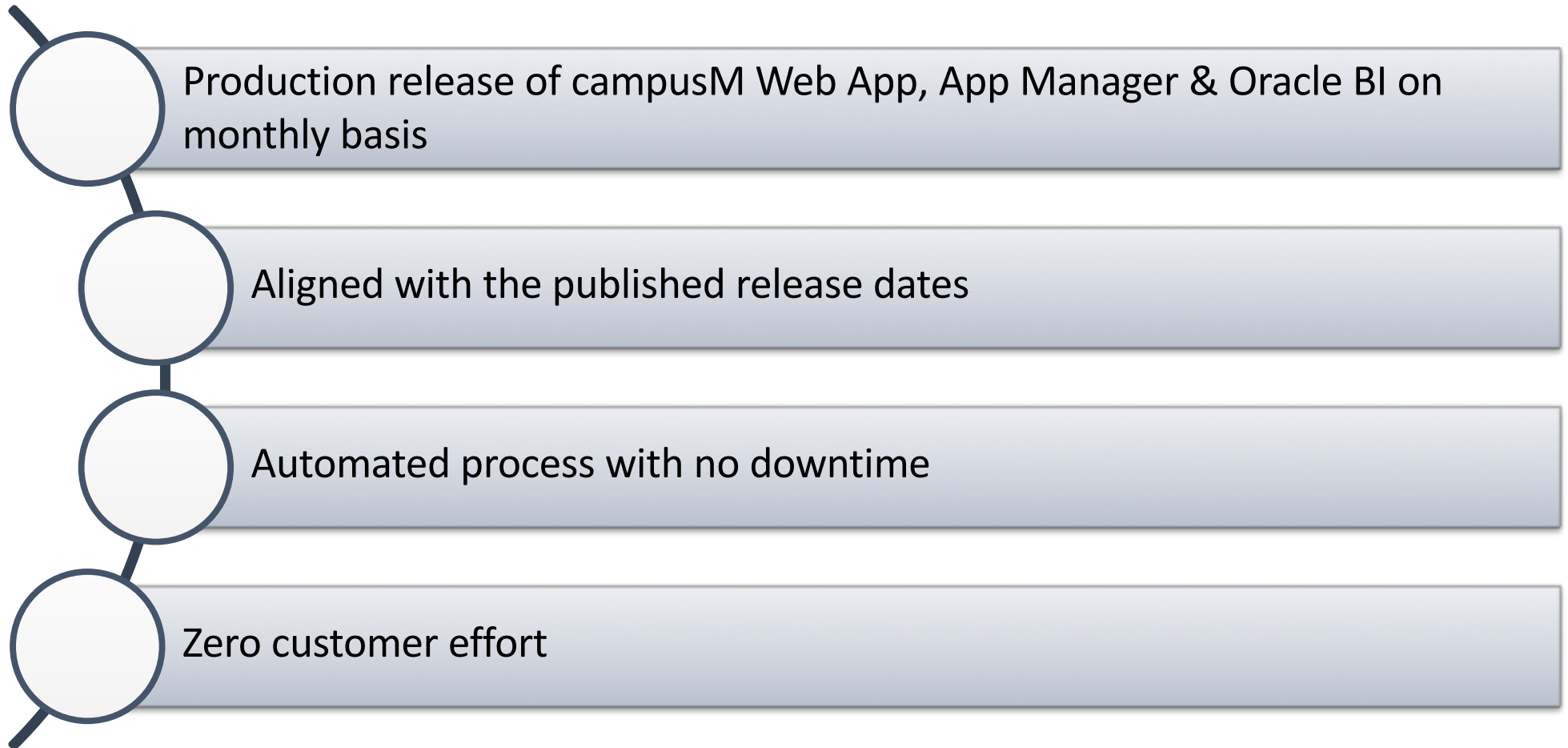


iPhone X

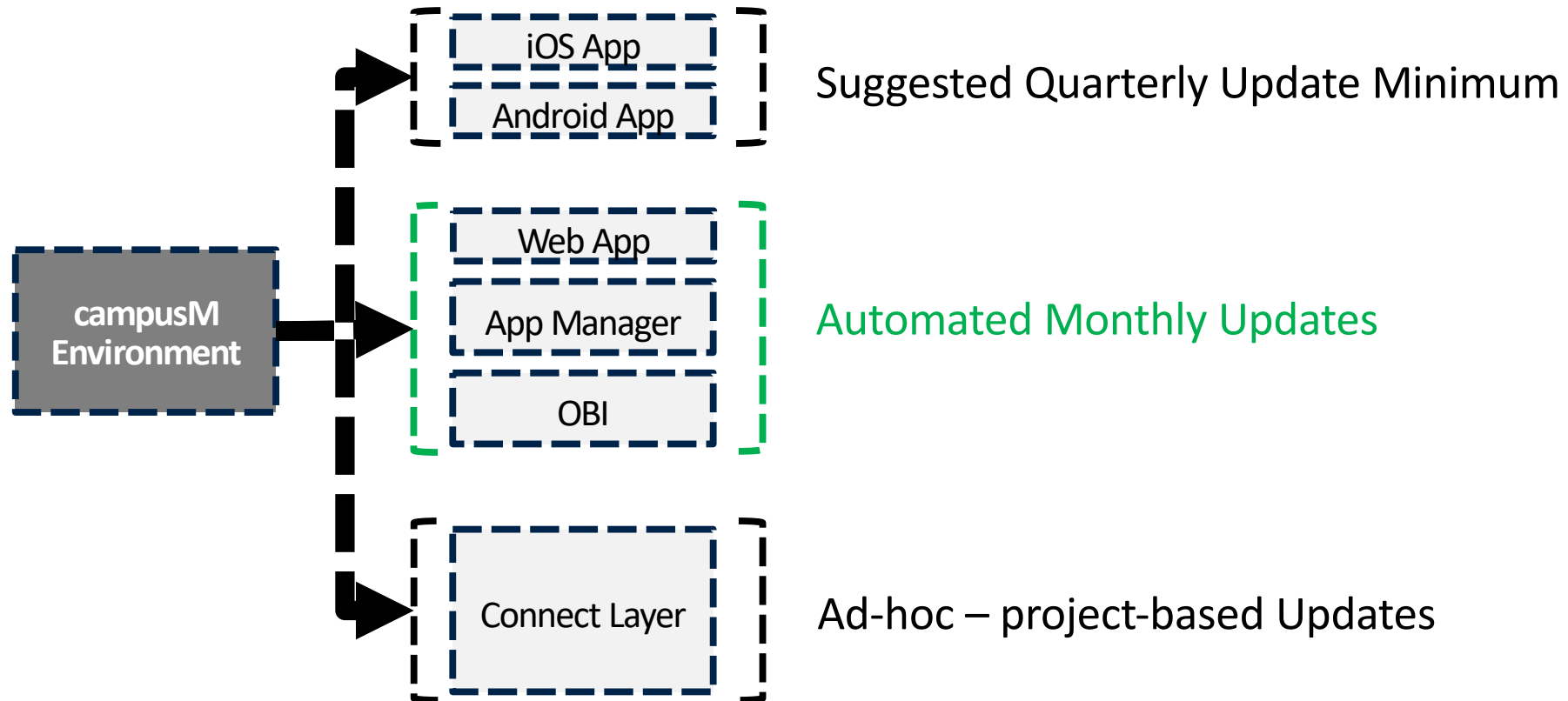


Android SDK

Automated Monthly updates



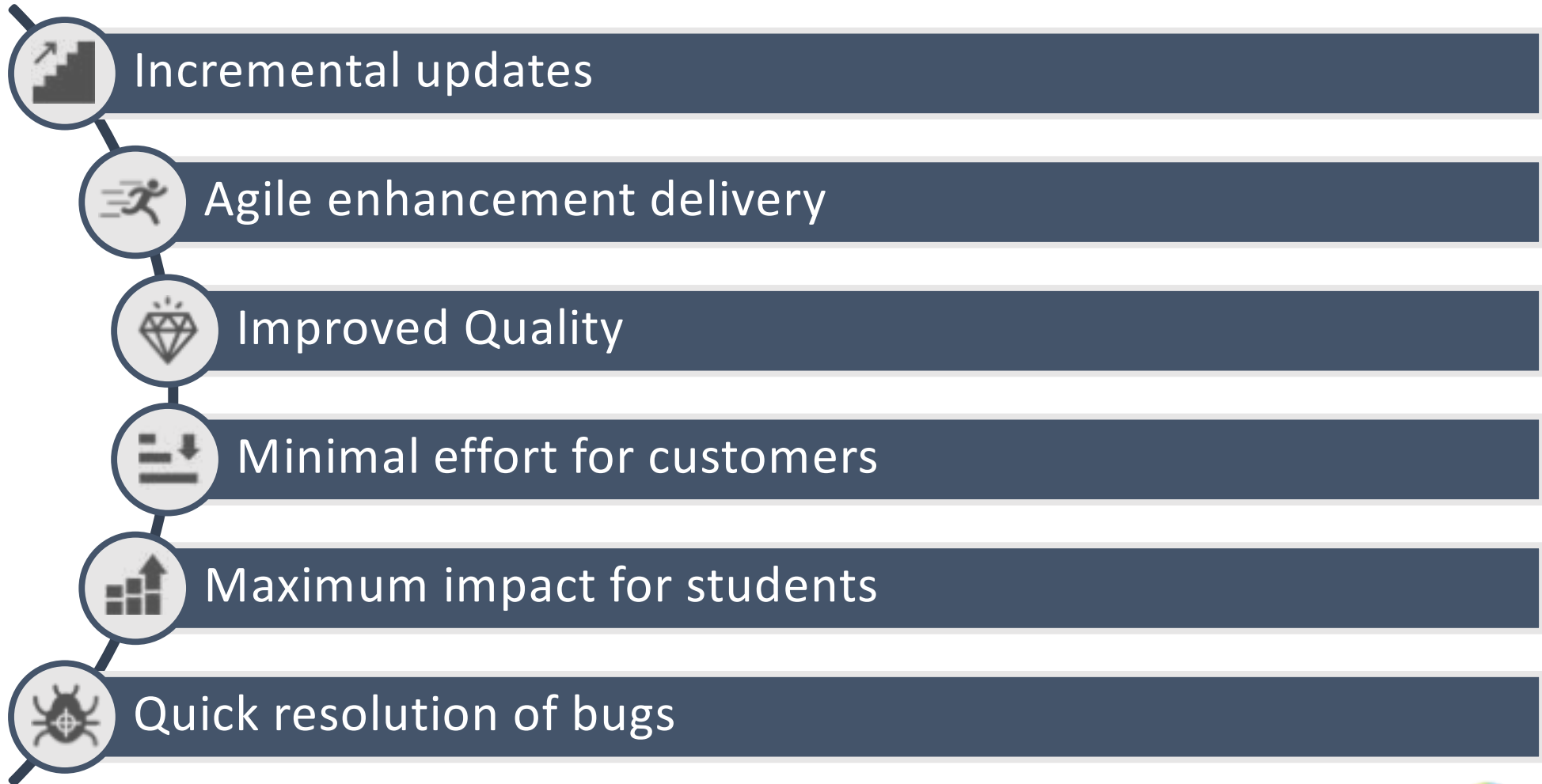
What does Automated Monthly Releases Mean?



■ Enabling Monthly Releases

- Migration to agile development cycle
- Automated testing and build processes
- Published release dates defining when release will be available in Preview and Production environments
- Preview environment allows customer to review release
- Detailed release notes published
- Automated testing framework available for AEK 2 projects

Benefits





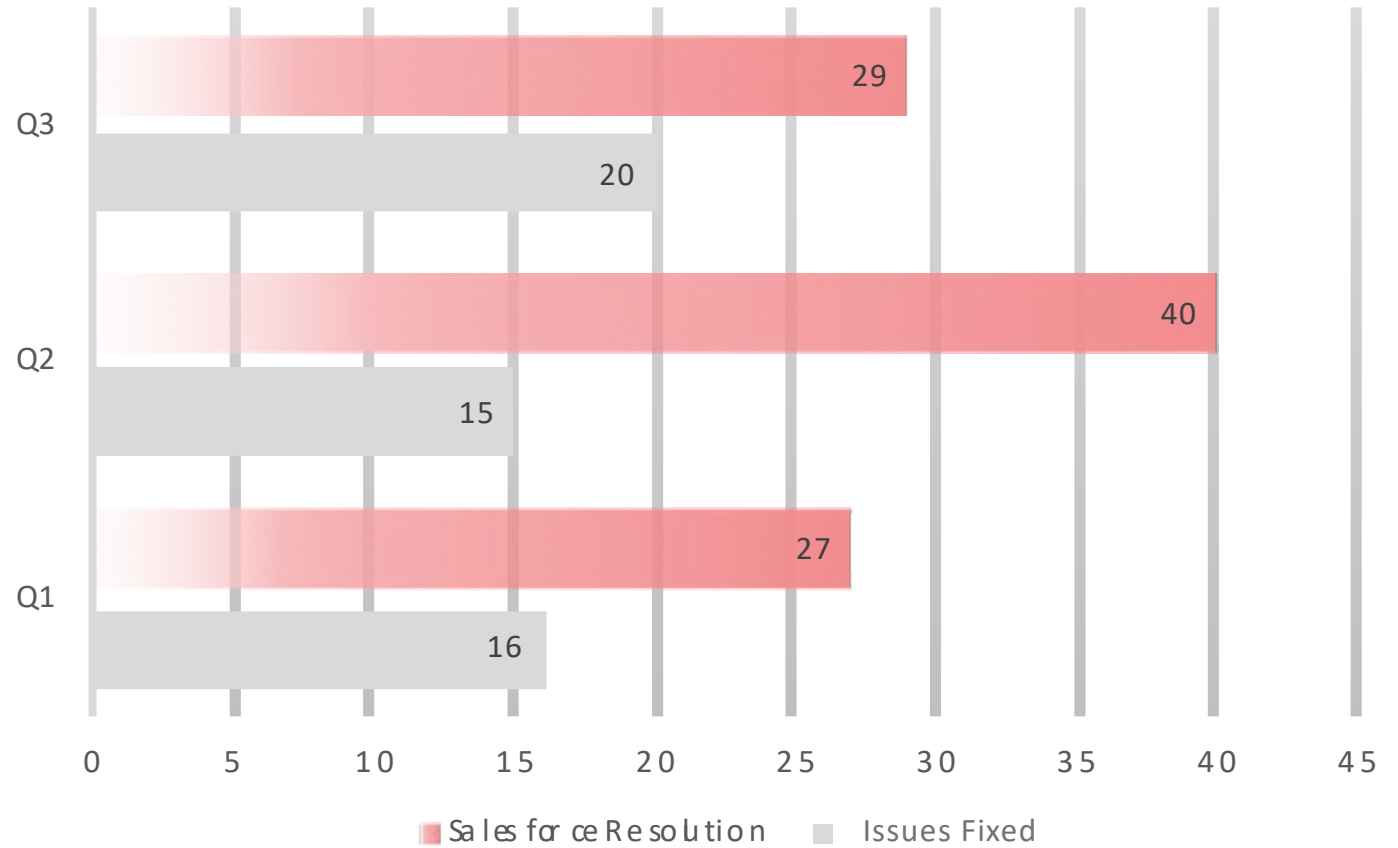
Delivery Review

ExLibris
a ProQuest Company

Issues Addressed

96
SFs RESOLVED

51
ISSUES FIXED



Enhancements Delivered



Analytics

- Customer reports within Oracle BI
- Community report sharing in Oracle BI
- Insight Extraction API



Maps

- Location sensitive campus map listings and defaults
- Google Map Technology in iOS App
- UI improvements for location markers



App Manager

- Alphabetical App role Listings
- Enhanced Tile Styles in App builder
- Inactivity timeout



Blended calendar for Native

- Colour coded blending of calendars
- Time zone enhancements
- Refresh Enhancements



Infrastructure

- Monthly Releases
- Preview Environment
- Automated Build & Preview



General

- Notification multiple recipient warning
- Direct support for iPhone X

Feature Focus – Insight Analytics Extract API

Valuable insight into individual user interactions

Drive actions off of user level engagement Insight

Combine with other data sets to develop data models around predicting student engagement and outcomes

ExLibris campusM

Insight Analytics Extraction Web Service

`insightExportDataRequest`

ExLibris a ProQuest Company

The following document provides a draft outline of the API provided to securely extract the raw, disaggregated campusM Insight Analytics data, enabling customer to undertake deeper analytical investigation and data warehousing functions outside of those offered by campusM Insight.

Insight Analytics Request Parameters

The following parameters can be used in the request:

Parameter	Description	Format
apiKey [Mandatory]	Shared secret provided by EXL to the customer	Alphanumeric
orgCode [Mandatory]	Organization code provided by EXL to the customer	Numeric
startDate [Mandatory]	Start date and time to define time range returned by the service. If not included, defaults to last 24 hours.	Date/Time Format
endDate [Mandatory]	End date and time to define time range returned by the service. If not included, defaults to last 24 hours.	Date/Time Format
profileID	Profile ID for the data returned, initially provided by EXL to the customer	Numeric
resumableToken	Token used to return the next segment of rows from the service if the fulfilled flag is false	Numeric

Example request:

```

curl -X GET "https://api.insight-extraction.com/v1/insights-raw/export-data?apiKey=
&orgCode=12345&startDate=2017-11-01T00:00:00Z&endDate=2017-11-01T00:00:00Z"

```

Insight Analytics Response Parameters

The following will be returned by the service:

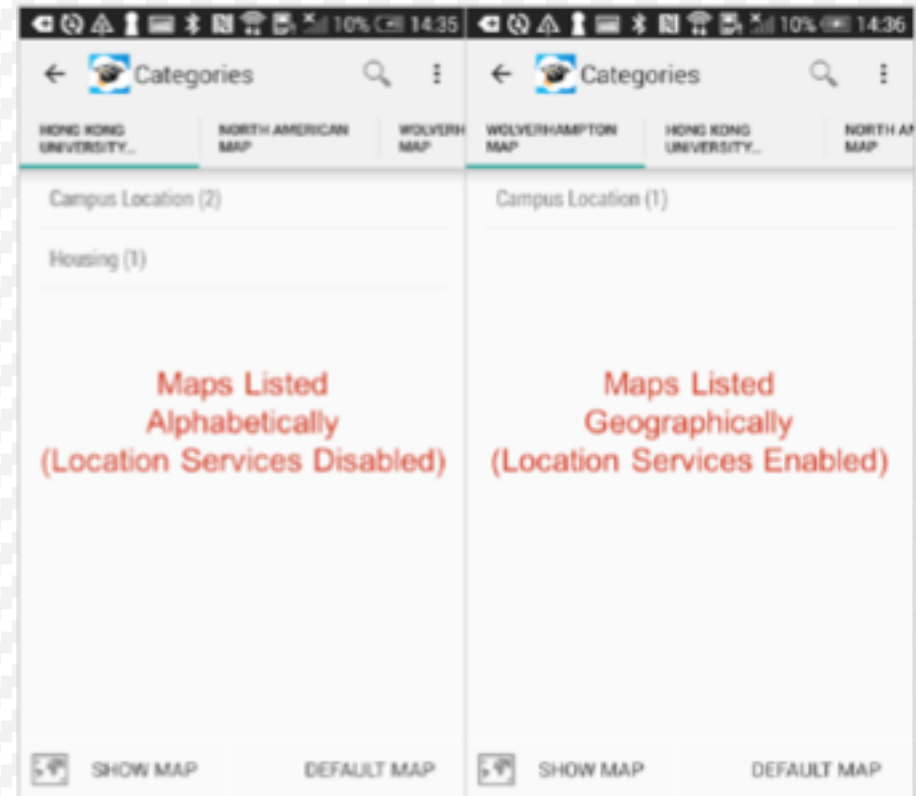
Parameter	Description	Format
orgAddress	End user email address returned for the transaction	Alphanumeric
orgCode	Organization code	Numeric
profileID	Profile ID for the data returned	Numeric
platform	Platform used for the transaction	Numeric
osVersion	Operating system of the device used for the transaction. May not always be present.	

Feature Focus – Location-sensitive Map Listings

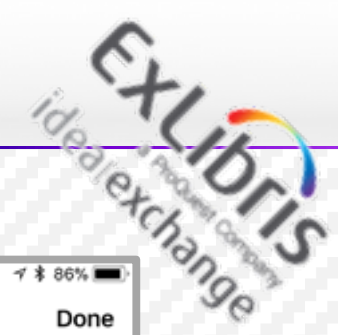
Dynamically modifies
campus map hierarchy
based on location of the
user

Enhanced personalized
experience for students

Powerful for multi-campus
and multi-region
institutions



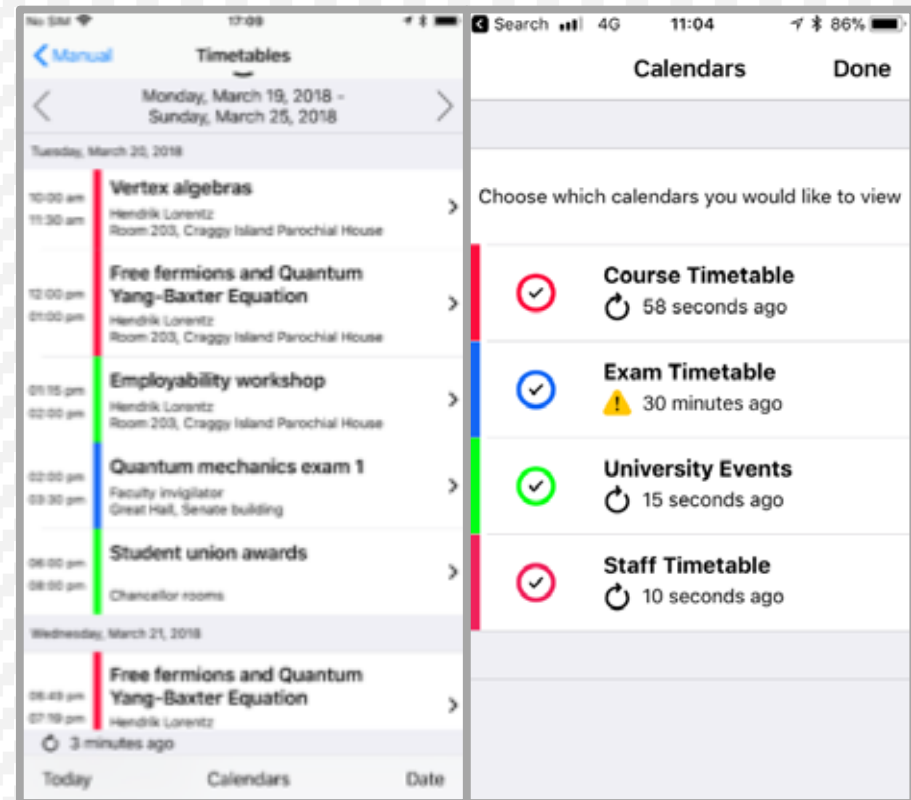
Feature Focus – Blended Calendar



Holistic view of academic, pastoral and social events in on view

Enhanced UI for most used campusM feature

Improved personalized experience for end users

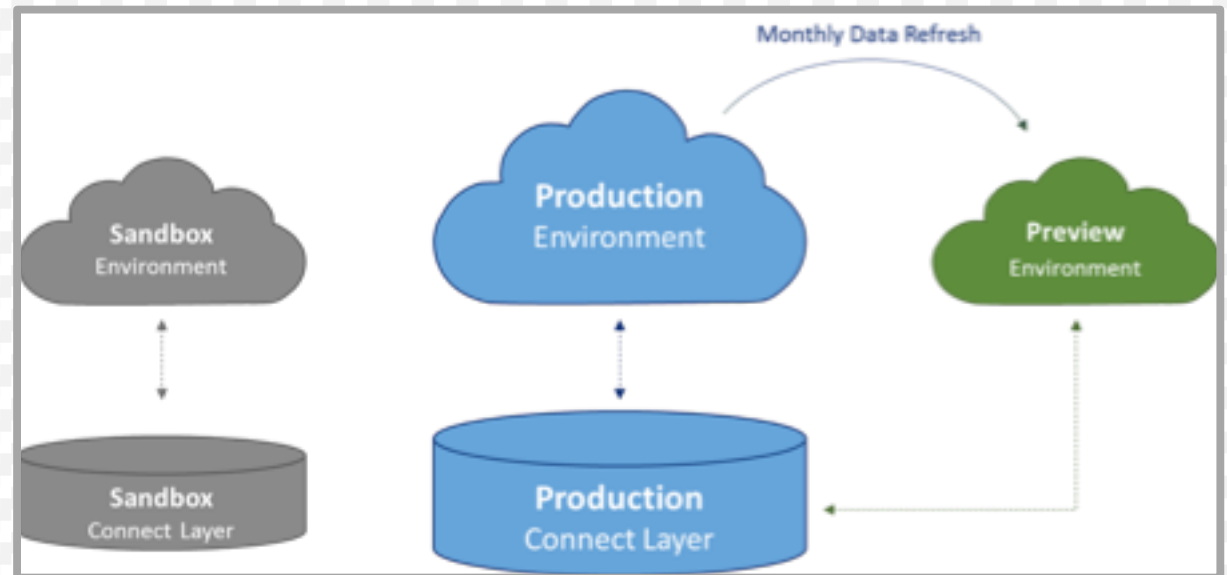


Feature Focus – Preview Environment

Support review of coming release in an environment as close as possible to Production

Automated mechanism that coincides with published release schedule

Focused support mechanism to act fast on issues if identified



A photograph of a student in a library or classroom setting. The student, a young woman with long dark hair and glasses, is smiling and has her right hand raised. She is wearing an orange top. In the background, there are bookshelves filled with books. To the right, another student in a plaid shirt is also raising their hand. A dark grey rectangular box is overlaid on the lower left portion of the image, containing the text 'Coming Soon'.

Coming Soon

The logo for ExLibris, featuring the word 'ExLibris' in a bold, white, sans-serif font. Above the 'i' in 'Libris' is a small, multi-colored arc. Below the main text, it says 'a ProQuest Company' in a smaller, lighter font.

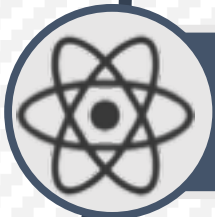
ExLibris
a ProQuest Company



Automated Monthly Releases



Audible Notifications



React 16



Role-based analytics

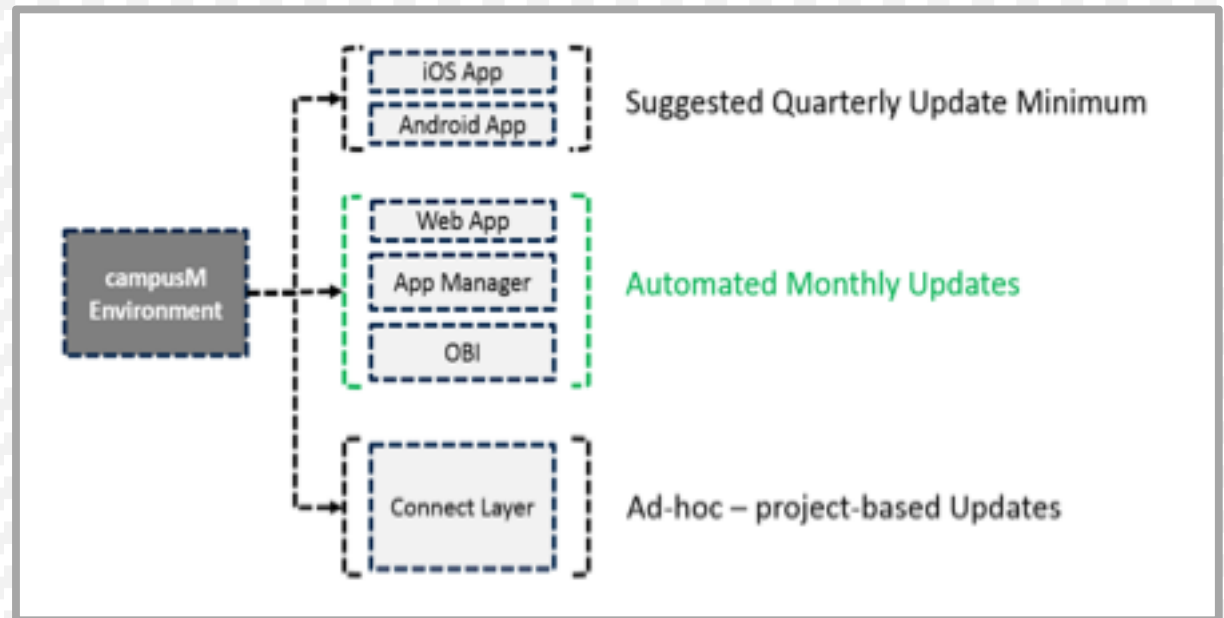
Coming Soon— Automated Monthly Releases * Starting October

Web, App manager and DB
will be updated on
monthly basis

Users benefit from the
latest enhancements

Zero disruption or effort
required from the customer

Aligned with our published
release schedule



October Release

Coming Soon – Audible notifications

campusM notification to include sound on native

Audio as well as visual prompting for notifications

Sound customizable through device settings

Latest notification platforms provide ongoing benefits



September Release

Coming Soon– AEK React16 upgrade

Upgrade AEK to React16

Ability to develop
automated tests for AEK
projects

Supporting the move to
monthly release and
general app quality

Improved error handling
and build time



August Release

Coming Soon– Role-based Analytics

Expose users roles in
Oracle BI, for role-based
insight

Understand how users with
specific roles are
interacting with your app

Analyze cohort engagement
in-depth

Build and publish reports





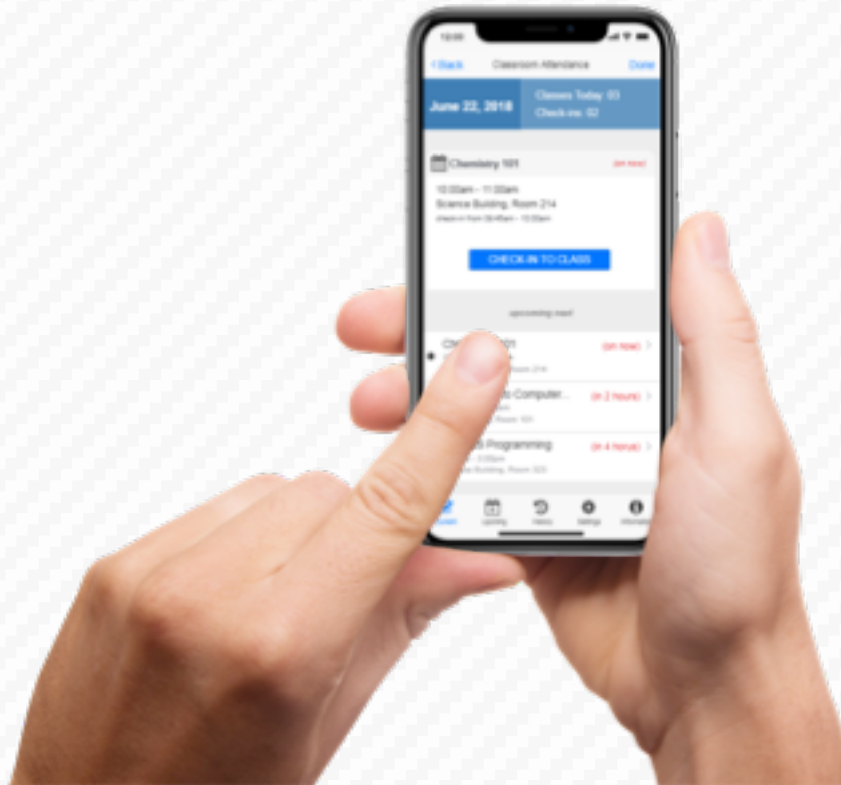
Development Preview

campusM attendance

ExLibris
a ProQuest Company

campusM Attendance

simplifying classroom attendance tracking



An **end-to-end solution** for capturing user's attendance, allowing the university to **comply with local regulations** and leverage insightful analytics to **deliver constructive intervention** for student success and engagement initiatives.



Core Principles - Guidelines

SIMPLE

- No hardware or equipment installation
- Works off any device
- Part of the main university app

CONNECTED

- Already part of campusM
- Connected to the Student Information System
- Used by all university stakeholders

AFFORDABLE

- Minimal initial and ongoing costs
- Subscription and one-time implementation fees

EXTENDABLE

- Initial self-registration and one time code validation methods
- Extendable architecture to ensure support for additional current and future technologies

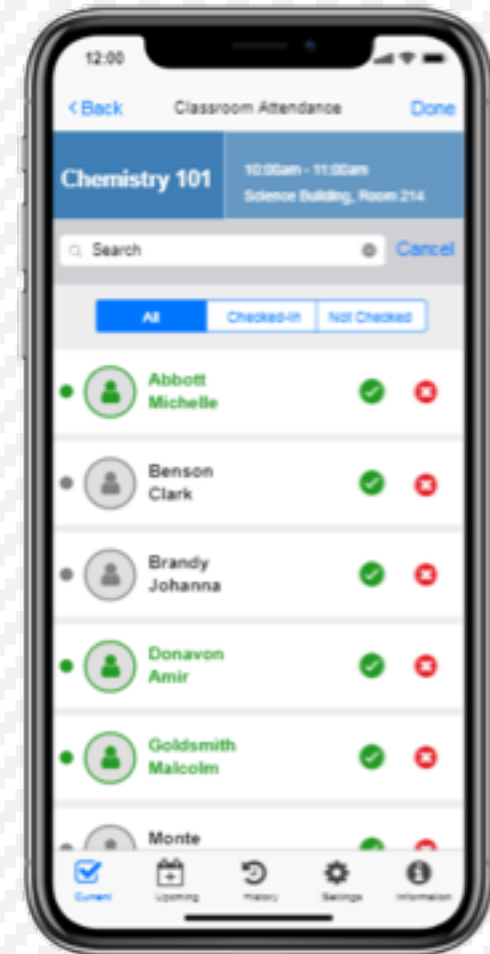
Student Experience

- Receives upcoming class notification
- Enters provided one-time event code
- campusM to validate code for class and confirm check-in (can be done offline)
- Receives confirmation notification
- Tracks attendance using personal dashboard



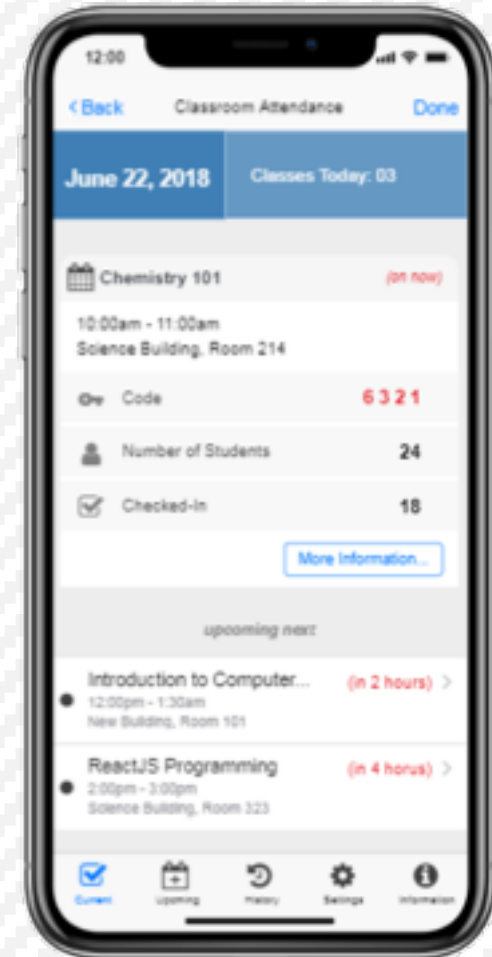
Lecturer Experience

- Gets notification about upcoming class, including one-time event code
- Writes code on the board display code on projection screen
- Students use code for validation
- Lecturer dashboard updated in real time
- Lecturer can track their class and individual student using attendance dashboard



Admin Experience

- Attendance driven off of the class schedule so no requirement to set up class data
- Real-time dashboard tracking class attendance
- Data extraction providing attendance validation for localized compliance requirements
- Actionable insight enabling administrators and lecturers to take constructive intervention for example, notify students of poor attendance or modify roles to highlight support services in app



campusM Attendance Features

Step	Feature	Function
Trigger	Native apps and web portal	Live Tile and Push notifications
Validation	Attendance capturing	One-Time Code, Self-Registration, GPS Geo-fencing
Record	Data export	Offline & Online functionality, Real-time API for data export
Report	Analytics	OBI-based Analytics

A young woman with long brown hair, wearing a plaid shirt, is looking down at a tablet computer in a library. The background is filled with bookshelves. Overlaid on the scene are several futuristic, semi-transparent data visualization panels. One panel shows a donut chart with segments labeled 45%, 12%, 23%, and 10%. Another panel shows a bar chart with values 75%, 20%, 46%, 35%, 80%, and 95%. A third panel shows a world map with glowing blue lines and an upward-pointing arrow. A fourth panel in the top right shows a bar chart with values 28%, 20%, 46%, 35%, 80%, and 95%.

Summary



KEY MESSAGES

1

Community Input

Ideas Exchange
Developer Network
AEK Repository

2

Native App Update

Apple and Android Code update
iPhone X Support
Opportunity before start of term

3

Moving to Monthly

October 2018 move to automated monthly releases (not native)
Moving to monthly sooner
Lots of benefits!

4

Agile Delivery

Increased speed of new features and enhancements
Key developments delivered
App issues addressed

5

campusM Attendance

Transforming attendance capture through campusM
Integrated as part of the campusM Package
Available in 2019



Matthew.sherlock@exlibrisgroup.com