# COmanage UI/UX

## What UI developers need to know

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*Ann Arbor COmanage Developer Meeting, March 3, 2020*

# Guiding Principles

- Usable
  - Wherever possible, keep the UI/UX simple; lots of discussion and possibility for improvement in this area.
- Accessible
  - Conforms to WCAG 2.0 AA
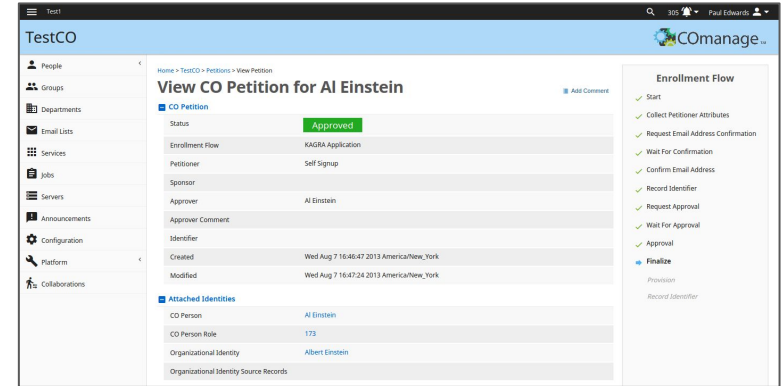- Mobile
  - Theming is mobile first and responsive.

COmanage was built to meet the needs of many. As a generalized tool, the UI models a swiss army knife more than a scalpel.

As the UI matures, there are many opportunities to significantly improve the user experience for specific use cases.
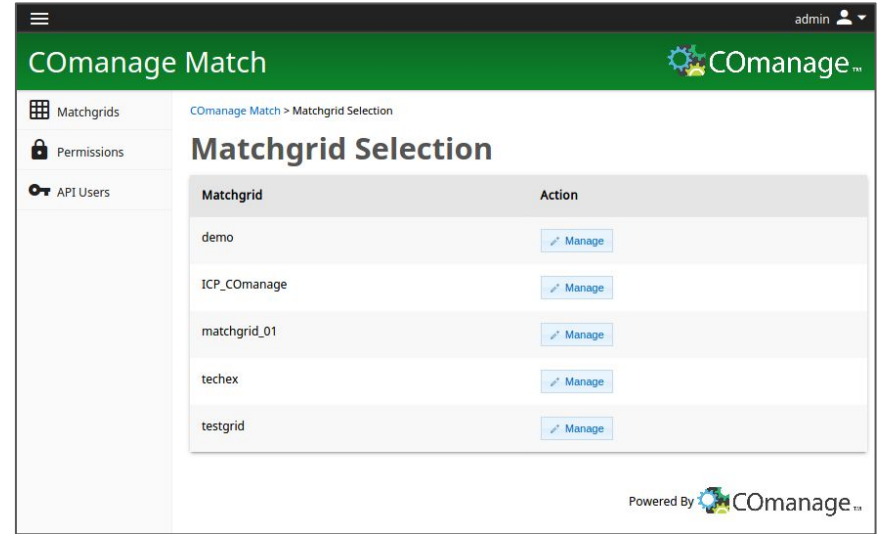
# UI-2



- Released September 2017 with COmanage version 3.0
- Intended to be accessible, user-centric, responsive, mobile, internationalized

- Theme uses Material Design (specifically MDL)
- Carries forward use of jQuery and jQuery UI
- Uses a few other JS libraries such as Noty and MetisMenu
- Fonts: Noto Sans (i18n), Material Icons, Font Awesome

- https://spaces.at.internet2.edu/display/COmanage/UI-2+Guidelines

# UI Migration

- Bootstrap 4 (not MDL)
- jQuery (probably not jQuery UI)
- Fonts: Noto Sans and Material Icons



- Libraries selected for maturity, large user bases, and simplicity of tooling (with plugin-developers in mind)
- Fonts selected for best i18n

# CSS

- Theming is mobile first with two main CSS files:
    - co-base.css
    - co-responsive.css

- Simple, compact files; no pre-processing used (for now)

# JavaScript

- Small global JavaScript files for common functions
    - comanage.js - static functions
    - Elements/javascript.ctp - php include with onLoad behaviors


- Page-specific javascript lives on the page (minimal)

# General Layout

# Forms Layout / Markup

- COmanage is **forms heavy** (for admins)
- Specific markup has been developed to ensure best responsiveness and accessibility
- [https://spaces.at.internet2.edu/display/COmanage/Structure+of+Forms+in+COmanage+UI-2](https://spaces.at.internet2.edu/display/COmanage/Structure+of+Forms+in+COmanage+UI-2)

# Theming (via CO Admin interface)

- For simple CO branding
- Create themes with header, footer, and custom CSS from within the COmanage interface
- Apply to a CO or Enrollment Flow


- *Demo*

# Current Attention / Futures

- Continued feature improvements / responses to RFEs and new interfaces
- Simplify usability: simple UI vs. advanced UI; simplicity for light-touch end-users; streamlining
- One stop-shop / light service portal
- Continue to improve wayfinding
- Stronger Match integration
- Improved filtering, AJAX / SPA approaches
- Move away from jQuery UI
- Stylistic improvements (ongoing)