

COmanage UI/UX

What UI developers need to know

*Arlen Johnson, Spherical Cow Group
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.

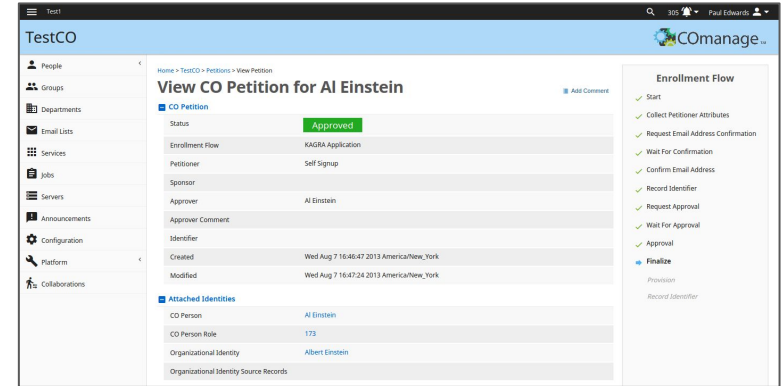
COmanage was built to meet the needs of many. As a generalized tool, the UI models a swiss army knife more than a scalpel.

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



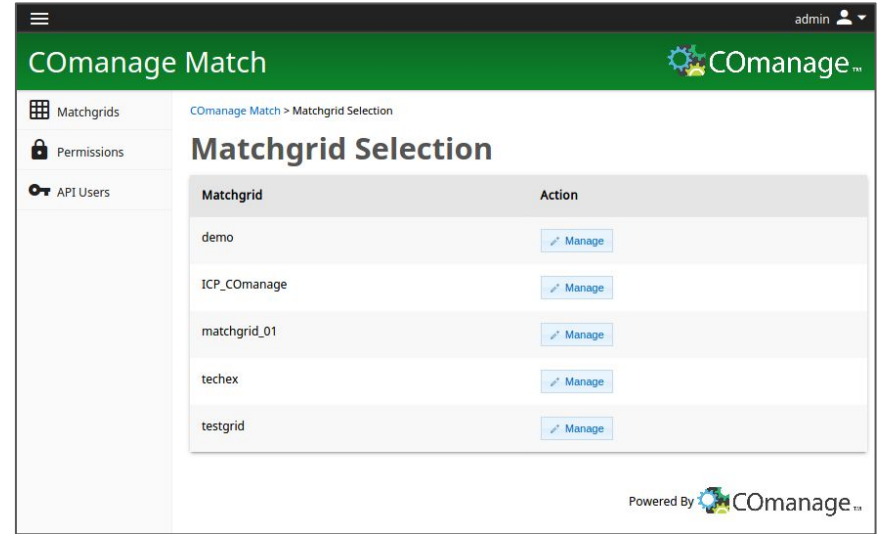
UI-2

- Released September 2017 with CManage 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/CManage/UI-2+Guidelines>




UI Migration

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



The screenshot displays the COmanage Match web interface. The top navigation bar is green with the COmanage logo and the text "COmanage Match". The user "admin" is logged in. The left sidebar contains navigation links for "Matchgrids", "Permissions", and "API Users". The main content area is titled "Matchgrid Selection" and shows a table of matchgrids with a "Manage" button for each.

Matchgrid	Action
demo	Manage
ICP_COmanage	Manage
matchgrid_01	Manage
techex	Manage
testgrid	Manage

Powered By  COmanage™

- 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

The screenshot displays the COmanage Match web interface. At the top, there is a dark navigation bar with a hamburger menu icon on the left and the text 'admin' with a user profile icon on the right. Below this is a green header bar containing the text 'COmanage Match' on the left and the COmanage logo on the right. A left-hand sidebar contains three menu items: 'Matchgrids' (with a grid icon), 'Permissions' (with a lock icon), and 'API Users' (with a key icon). The main content area shows a breadcrumb trail 'COmanage Match > Matchgrid Selection' and a large heading 'Matchgrid Selection'. Below the heading is a table with two columns: 'Matchgrid' and 'Action'. The table lists five matchgrids: 'demo', 'ICP_COmanage', 'matchgrid_01', 'techex', and 'testgrid'. Each row has a 'Manage' button with a pencil icon. At the bottom right of the page, it says 'Powered By' followed by the COmanage logo.

admin

COmanage Match

Matchgrids

Permissions

API Users

COmanage Match > Matchgrid Selection

Matchgrid Selection

Matchgrid	Action
demo	Manage
ICP_COmanage	Manage
matchgrid_01	Manage
techex	Manage
testgrid	Manage

Powered By COmanage™

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>

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)