



workshop: designing for complex UIs

with Vitaly Friedman



Not much can surprise us when it comes to interface challenges. We can design a decent card, a well-rounded accordion and an exquisite hamburger navigation. But what if there are slightly more complex UX challenges ahead of us?

Complex UIs don't have to be complicated. In this workshop with Vitaly Friedman, UX consultant for European Parliament and creative lead behind Smashing Magazine, we'll dive deep into dissecting how to solve complex design problems. Whether you're working on enterprise-grade tables or complex multi-page forms, this workshop will give you the techniques and tools you need to excel at your work.

Who is it for?

This workshop is for

- UX designers,
- interface designers,
- front-end designers and
- developers

who'd love to be prepared for complex and time-consuming design challenges.

You'll walk away with a toolbox of techniques and examples of doing things well – in your product, website, desktop app or mobile app, be it a small mobile app or a large enterprise application.

What will I learn?

In this workshop, you'll learn:

- Complex mega-droppdowns with 4+ levels of navigation, layout, interaction design, sideways navigation, breadcrumbs, top task analysis, mobile/desktop (e.g. large university websites),
- Complex modals and overlays, confirm vs. undo behavior, right timing, intraction design, with guidelines and best practices to improve click-through rates and decrease mistakes (e.g. enterprise software),

- Lengthy multi-page forms, focusing on form components, one-column vs. multi-column layout, error recovery, progress steps, inline validation, routing, conditional reveal, disabled buttons, input buffering (e.g. complex multi-column multi-page forms with dozens of steps),
- Enterprise-grade tables, complex use-cases with inline editing, filtering, tagging, sorting and search – on mobile and on desktop (insurance, loss prevention),
- Complex filtering, layout, auto-apply vs. manual apply, filtering overlays, filtering and sorting intervals, best practices and guidelines, on mobile and on desktop (public archives, media library, large catalogs of products),
- Advanced Search UX and Autocomplete UX, with layout and interaction design, when to show/hide suggestions, search query iteration, autocomplete blindness, faceted search, smart suggestions, type-ahead pattern, keyboard navigation, on mobile and on desktop (e.g. in enterprise software),
- Dashboards and spreadsheets, with complex layouts, data editing, inline filtering, infinite scroll UX, “load more” vs. pagination, access to footer and access to the current state, mobile optimizations,
- Data visualization, how to choose charts, how to design honest and effective charts, incl. formatting, color palettes, legends, formatting, tables and interactive filters,
- Sustainable UX, incl. presets, defaults, data collection, archiving, deletion, exporting and how to measure digital sustainability,
- Designing For AI, with AI presets, contextual suggestions, temperature knobs, invisible clustering, scoping and how to design better AI UIs,
- Design patterns for expert interfaces and B2B, with advanced features, visual indicators, customizable widgets, complex business logic, enterprise products, legacy systems, keyboard shortcuts, query constructors and 3rd-party integrations,
- Accessibility of complex interfaces, with technical considerations, focus traps, navigation, keyboard support and WCAG 2.2 compliance and EU Accessibility Act,
- Authentication and Privacy UX, and how to design authentication and gather accurate data while avoiding legal battles and respecting user’s data,
- 100s of real-life examples, government and university websites, trip planners, financial services, eCommerce, online banking, configurators, insurance and mortgage calculators, data grids and enterprise products.
- Checklist for complex UIs with guidelines and decisions to consider when designing any component in a complex setting.