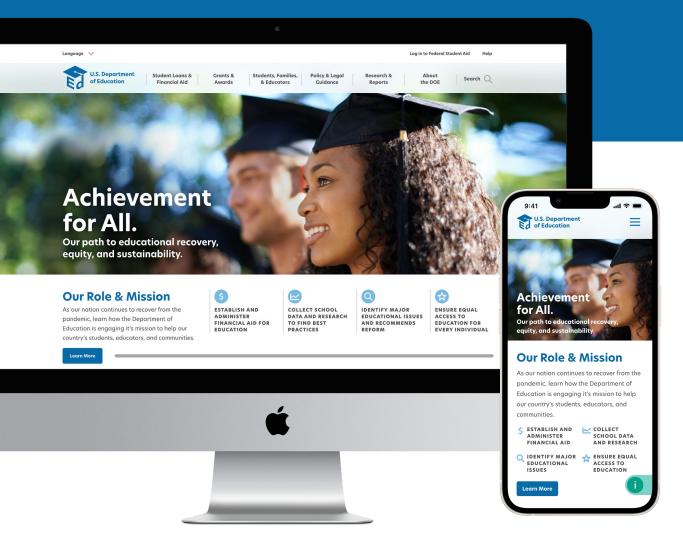
UX/UI CASE STUDY February 2022

U.S. Department of Education Website Redesign

Dorothy Toth UX/UI Designer

Katie Haas UX Collaborator



Project Overview

The goal of this project was to produce a **reorganized**, **redesigned and responsive website** for the Department of Education.

- Timeline: 5 weeks
- Role: UX Researcher, UX/UI Designer

To achieve this goal, focus was applied to the following areas:

- UI Analysis & User Research
- Information Architecture
- Lo-Fi Wireframing & Testing
- Hi-Fi Prototyping & UI Styling
- Interactive Design



Department of Education Mission Statement

Promote student achievement and preparation for global competitiveness by fostering educational excellence and ensuring equal access.



<u>Current Site</u>

Amy Anderson: our DOE proto persona

To begin this project, we hypothesized on who might be visiting this site.

With the breadth of information on this site, a mother with children in two different grade groups felt like a good potential user.

DOE Proto Persona

Name & Personal Demographics

Name: Amy Anderson

Age: 47

Family / Status: Married with two children, one middle schooler, one graduating junior

Personality: Stays organized but flexible with multiple and ever-changing family schedules

Needs & Goals

Needs:

Needs information on future college planning

Goals:

Wants simple, basic information on entering college, so she can craft a custom plan for her high school junior



Behavioral Demographics

Profession: Full-time Project Manager at Interior Design Studio

Likes: Spending time with family, family dinners, attending kids' sporting events; volunteers in PTO/A

Dislikes:

Kids' late night homework meltdowns; lack of information from kids about school events

Pain Points & Potential Solutions

Pain Points:

Disorganization with site: Even with higher education herself, she is frustrated with how disorganized this site currently is

Potential Solutions:

With current website, spending more time on site combing through webpages to find pertinent information

Amy may visit the Department of Education website to gather:

student loan and potential grant applications,
information on federal college funding, and
information on K-12 education.

Heuristic evaluation reveals several usability issues

We performed an initial evaluation of the site and rated several heuristic considerations.

Among several navigation issues, we noticed that the lack of content chunking created an overwhelming experience.

Rating:

https://docs.google.com/sp readsheets/d/1WL20gwxxkHyG OCDyvrMoEK-81vP-8xLdi8rRgl qdKDE/edit?usp=sharing

ARP PATHS includes a number of considerations for states as they build capacity an their work to districts and the public. The tool includes six sections that are based of state plan application that all states have submitted, and the Department has approv section, states can indicate the implementation status, describe their states' progres promising practices or impact.

These include topics such as implementing strategies to support safe in-person inst incorporating ongoing engagement with parents and other stakeholders, addressing meeting urgent staffing needs, and ensuring transparency.

"Since the start of the pandemic, Democrats have worked to put our kids first-that" the American Rescue Plan to provide the schools the resources they need to stay or mental health resources, and address learning loss to get our kids back on track after tough two years," said Sen. Patty Murray, chair of the Senate Committee on Health, and Pensions (HELP). "And as the Omicron surge continues, schools continue facing from buving masks to dealing with staff shortages-and it's key they use these resor carefully to meet their communities' urgent needs. I'm monitoring closely to make su I'm glad this new tool will boost transparency and help schools across the country s and keep kids in school safely."

"In response to biggest economic and health crisis our country has ever faced, Pres Congressional Democrats took decisive action through the American Rescue Plan to resources for K-12 schools to safely reopen and address the pandemic's impact on academic, mental health, social, and emotional needs," said Rep. Rosa Delauro, cha Appropriations Committee, "I applaud the courageous essential efforts by educator and district leaders to use these flexible ARP fun

Ed

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American

Rescue Plan /

Funding for

K-12 Schools

American Rescue Plan / Funding for K-12

"States and districts are making historic investm funds," said Allison Crean Davis, director of the I Comprehensive Center, in our role partnering wit nation, is looking forward to working with the De associated resources and supports to help state outcomes for school systems and our nation's st

The Department is working with states to ensure of the American Rescue Plan Act, the Departmer plans for how they would spend their ARP ESSE allocations in March of last year. To ensure prope received the remaining one-third of ARP ESSER December 2021, all 50 states the District of Colu plans and their full awards. Links to state and loc

American Rescue Plan dollars are already being such as staff shortages, and supporting students school counselors. The ARP PATHS tool will help

Examples of ARP's impact include:

- The Vermont Agency of Education (AOE) is p. Vermonters, including eligible students. AOE Vaccine Incentive Program that will make away of 85% or higher. Vermont has achieved a high targeting vaccine clinics to school sites, a sur through the leadership and support of school Vermont residents aged 12-17 had received a beginning in 2022, additional funds through t vaccination for all Vermont students.
- Wake County Schools in North Carolina prov support keeping schools open.
- Gaston County Schools in North Carolina wa Featured locations. In past years, nurses split their time
- · White Plains City Schools are using their ARF their teachers, and make sure student learnin
- Tennessee is using ARP ESSER funds to prov next three years. When the program is fully o access to 300-500 additional hours of targete instructional time from the pandemic.
- Using American Rescue Plan funds, Arkansa recruitment, preparation, and support for can instruction or intervention to meet the acader

Laws & Guiuance

Overview

Legislation, regulations, guidance, and other policy documents can be found here for the Every Student Succeeds Act (ESSA), and other topics.

Please note that in the U.S., the federal role in education is limited. Because of the Tenth Amendment, most education policy is decided at the state and local levels. So, if you have a question about a policy or issue, you may want to check with the relevant organization in your state or school district.

Act)

Overview

Regulations

· Guidance for Students

Guidance for Parents

Elementary and Secondary Education Act of 1965 (ESEA), as amended

- · Every Student Succeeds Act (ESSA) Information page ESEA Flexibility: Information about flexibility from certain No Child Left Behind requirements that ED is offering to states.
- · Text of the Elementary and Secondary Education Act of 1965, as amended by ESSA and the National Defense Authorization Act, 2017; Introductory materials - Title I - Title II - Title III
- Title IV Title V Title VI Title VII Title VIII
- Text of No Child Left Behind Act: For certain ESEA programs, the requirements of NCLB apply through the
- 2016-2017 school year. · Guidance and Regulations

U.S. Department of Education

· Secretary Cardona to Open Wednesday's 2022 Advancing Equity in Career-

Tool to Support Effective Use of American Rescue Plan Funds

Secretary Cardona Lays Out Vision for Education in America.

U.S Department of Education, National Comprehensive Center Release Latest

Coronavirus

Information

Coronavirus Information

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Dr. Miguel Cardona Secretary of Education Bio Speeches

@SecCardona

ED COVID-19

HANDBOOK

VOLUME 3

COVID-19 Handbool

Vol. 3

- · Every Student Succeeds Act (ESSA) • FERPA • FAFSA
 - 1098, tax forms More...

FERPA (Family Educational Rights and Privacy

- Information About... Transforming Teaching Family and Community Engagement Early Learning

- Press Releases FAQs
- Recursos en españo
- About Us Contact Us

GO :

- ED Offices

- Constitution Day

How Do I Find ...?

College accreditation

Student loans, forgiveness

Higher Education Rulemaking



Student loans, forgiveness

Information About...

Transforming Teaching

· Family and Community

Information Centers

Grants & Contracts

Student Financial Aid

Research & Statistics

· Policy & Guidance

Programs

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 College accreditation · Every Student Succeeds Act

(ESSA)

FERPA

FAFSA

1098, tax forms

Engagement

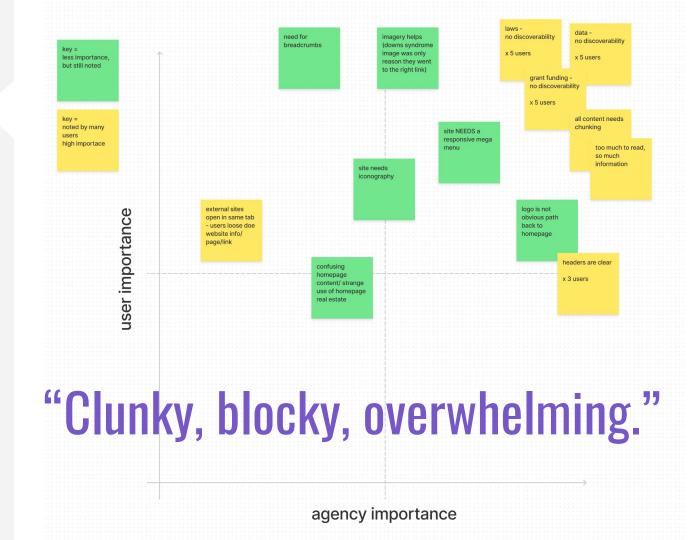
Early Learning

Usability testing on the existing site

We expanded user tasks from those Amy might have completed, to include tasks from all four main tabs on the website.

This gave us more usability insight on the more of the website.

We synthesized our feedback and focused on prioritized issues.

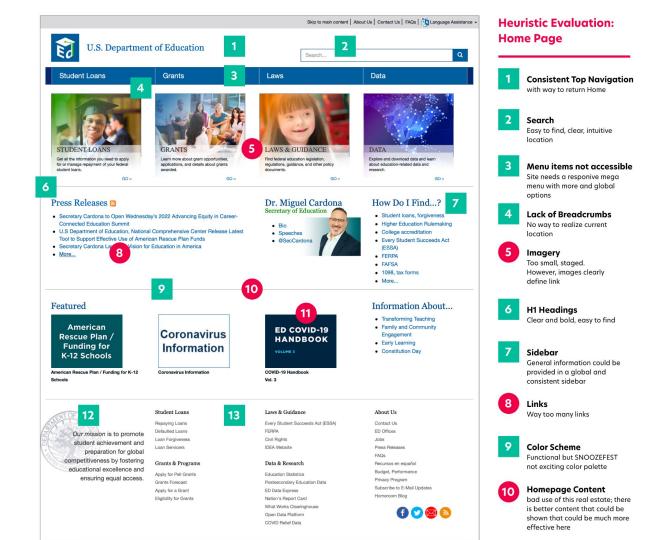


Webpage annotations mapped problems to solve

What we found from our tests validated our initial evaluation, and we annotated these for reference.

- Overall lack of information discoverability
- Link overload
- Uninspiring presentation

View PDF: https://drive.google.com/fil e/d/1ii2xC3Hl026L2ZGwjTEad0d HBZcIT280/view?usp=sharing



Navigation testing: Round 1

To gather more insight on experience within the navigation, we tested on desktop and mobile screens.

The lack of main navigation buildout quickly became a glaring issue.

Without more navigation options readily available, users were not able to complete several simple tasks.

"I just have to look and look and look... This is an awful website." (desktop)

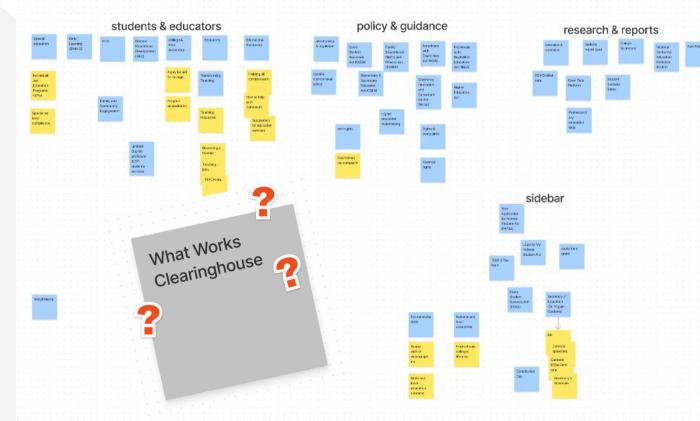
"I can't see a sidebar in this view..." (mobile)



Intensive card sorting

With so many links and so much jargon, this was an immersive step that required intense rethinking.

I added categories, reworded links, and consolidated content to ease navigation on a new site map.



Prototyping a new navigation

With so much information to offer, I prototyped a mega menu for this site.

Each category provides related content with more links upon hover of various options.

Prototype: https://xd.adobe.com/view/ 3409a481-953b-42c0-a096-3d 3e51e22e2d-615a/

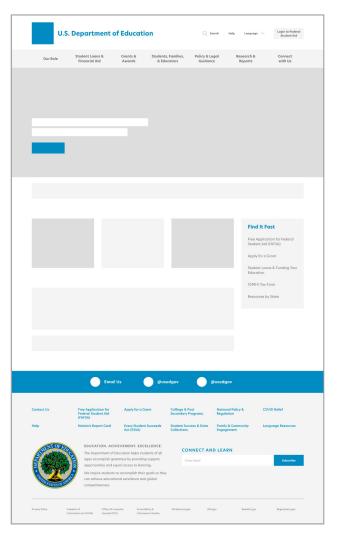
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Our Role	Student Loans & Financial Aid	Grants & Awards	Student, Families & Educators	Policy & Legal Guidance	Research & Reports	Connect with Us	
					Find It Fa	Find It Fast	

Homepage wireframes

Content chunking was top-of-mind when laying out homepage wireframes.

Regardless of what the content might be, the layout needed to be clear and concise.

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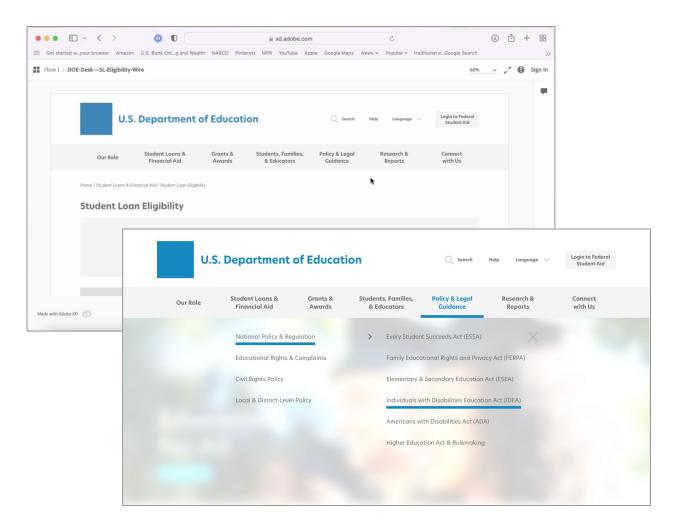


Navigation testing: Round 2

Using the same tasks as the first usability test with the existing site, I measured the organization and usability of my newly overhauled navigation.

I also tested A/B choices on the homepage imagery.

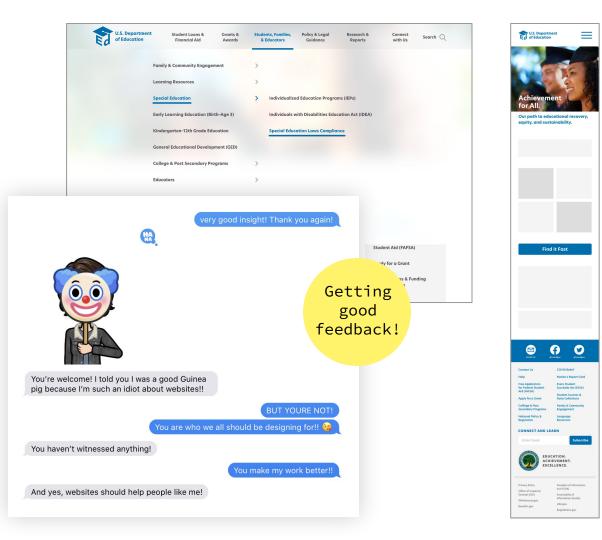
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Feedback provides wireframe iterations

Taking the feedback from testing into consideration, I made a few changes.

- Users really liked a **full-screen** frosted background upon hovering over a menu item (desktop) because the dropdown felt very clear and direct.
- Ultimately, I chose to shorten the dropdown background, so the user could hover off of it instead of having to click off of it.

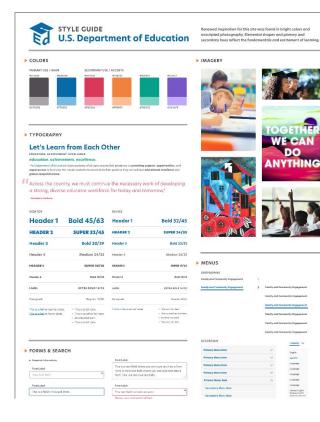


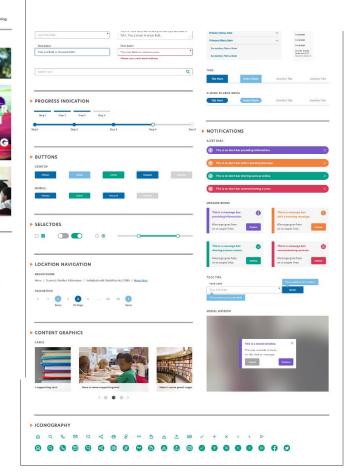
Comprehensive DOE style guide

To refresh this site, I employed bright colors, a legible typeface, and candid imagery.

Extending further, I leaned into values that are currently buried in content, and incorporated these into brand messaging.

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Hi-Fi Webpages Desktop & Mobile

After completing the style guide and accounting for all feedback, I applied newly-defined elements to bring various pages up to hi-fidelity.

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bottom of the screen

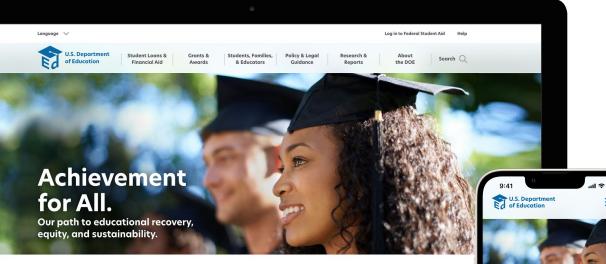


Final Prototypes Desktop & Mobile

With final prototype links connected, the new, responsive Department of Education website was brought to life.

Desktop Prototype: <u>https://xd.adobe.com/vie</u> <u>w/ceeece15-ee31-41ff-a7f</u> <u>d-fabca427864c-9bbd/</u>

Mobile Prototype: <u>https://xd.adobe.com/vie</u> <u>w/1c70f438-aa7e-4f21-afb</u> <u>c-5130b111f901-4923/</u>



Our Role & Mission

Learn More

As our nation continues to recover from the pandemic, learn how the Department of Education is engaging it's mission to help our country's students, educators, and communities. ESTABLISH AND ADMINISTER FINANCIAL AID FOR EDUCATION COLLECT SCHOOL DATA AND RESEARCH TO FIND BEST PRACTICES IDENTIFY MAJOR EDUCATIONAL ISSUES AND RECOMMENDS REFORM

JOR ENSURE EQUAL LISSUES ACCESS TO EDUCATION FOR EVERY INDIVIDUAL



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 Q IDENTIFY MAJOR EDUCATIONAL
 ☆ ENSURE EQUAL ACCESS TO
 - EDUCATIONAL ACCESS TO ISSUES EDUCATION

Conclusion

I learned more about navigation strategies for specific users, as well as **the importance of all types of user testing** for a site this expansive.

Having a complete library of UI elements available during the layout process is extremely helpful.

Reflections on Future Improvements

With more time, I would consider the following for improvements on this site:

- Navigation design further optimization of the sticky navigation bars
- Content and copywriting this would need dedicated attention to define and amplify a brand voice