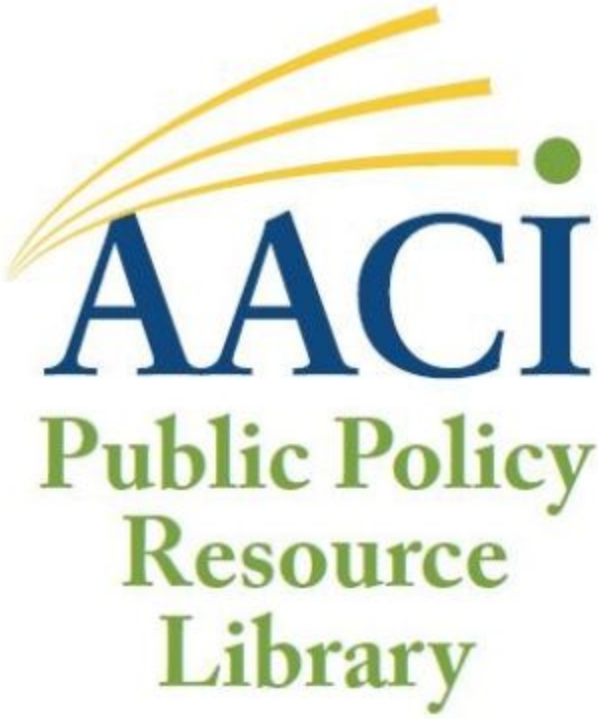

Final Report

67373: Software Development Course

Community Partner: Jaren Love and Emily Stimmel
Student Consulting Team: Vaishnav Balaji, Mark He, Lena Li, Cindy Su

April 29, 2020

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Community Partner Background

About AACI

The Association of American Cancer Institutes (AACI) is composed of 100 leading cancer research centers in North America, including National Cancer Institute-designated centers and academic-based cancer research programs that receive NCI support. According to its website, the AACI's mission statement aims to promote cancer research through its dedication to

> *"reducing the burden of cancer by enhancing the impact of North America's leading academic cancer centers."*

Given that the AACI is a relatively small organization with about 10 employees, the organization primarily shares information on its website and through annual meetings. Their members pay dues to AACI in order to share and receive information through committees such as ongoing clinical cancer research, financial, government, and leadership initiatives. Recently, the AACI added a new public resource library with hopes to expand knowledge of current members in government relations roles, government officials, and patient advocates.

Community Partner Project Description

In order to expand on the Public Policy Resource Library's current collection, our team wanted to add value through a project that would enhance the current organization's website through the design, development, and implementation of an additional webpage consisting of the federal legislation that AACI endorses. More specifically, we wanted to integrate the page with the existing Public Policy Resource Library and maintain consistency with the current library's branding and theme. The web page would not only present static information on the legislation but also provide 'interactive' or 'dynamic' components such that viewers are able to monitor the progress of the legislation of their choice. By integrating the proposed web page with the AACI's Public Policy Resource Library, the AACI can present a more comprehensive public policy library to its members that ultimately will engage its readership.

Project Opportunity

In order to ultimately support the AACI's mission to inform its audience and expand its readership, we wanted to add value and support their in-house technical department through a closer examination of the Public Policy Resource Library. Since the AACI is a smaller organization that has outsourced many of its technical work to third-party vendors, the Public Policy Resource Library currently houses limited cancer resources and policies which are often in the form of fact sheets. For this reason, there are plenty of opportunities to expand the library's current collection that showcase legislation endorsed by AACI on the state level.

Project Vision

Through our support of the AACI's mission to reduce the burden of cancer by enhancing the impact of North America's leading academic cancer centers, our team aims to ultimately enable the AACI to foster additional avenues of engagement with its members through the Public Policy Resource Library.

After listening to the needs from a meeting with the AACI, our team's original project goal in delivering our project vision was to build a page that would enable users to track the progress of federal legislation supported by the AACI. The relevant stakeholders involved with this project include the AACI board and leadership, its technical staff, and members that may involve program steering committees. In addition, cancer center directors and public policy advocates across the nation would certainly be interested in the purposes of the public policy library, which provides them with a way to discover and become involved with the work of the AACI. Since this project involves the curation and dissemination of information, our team took the preferences of the AACI's current IT personnel into careful consideration, as they will be responsible for updating the page and tracking progress.

In creating this dynamic page, our team is excited to contribute to this project dedicated to showcasing the current and future legislation of cancer policy, increasing reader engagement, and ultimately producing a sustainable solution that delivers upon the AACI's mission of enhancing the impact of North America's leading academic cancer centers through information sharing and education.

Project Outcomes

For the duration of the ten week project, we expanded the existing Public Policy Resource Library in the existing AACI website to develop the legislation tracker. Our new project is focused on keeping members of the AACI informed of new updates related to the legislation progress of the bills. We separated our work into two main phases, which were the design and development of the tracker. In the design phase, we conducted background research, communicated with our clients on specifications for the new product and gained insight into our end-user.

Based on feedback, we made multiple iterations of website design changes, and exchanged ideas in order to optimize the product's features for the organization. During this time, we finalized our website design template, made preparations to extend our software development pipeline to an external developer, and passed over our design specifications. As we moved into the development phase, we communicated with the external developer rapidly through Basecamp and made minor adjustments as discussed with our clients during weekly meetings. Thereafter, we performed a condensed version of user testing due to time and people constraints but still ensured, through gathering positive feedback, that the project would be comprehensive, usable, and aesthetically pleasing.

Throughout the project, our team has recognized the importance of proactive documentation and have organized these files accordingly by user needs, design specifications, and software requirements. Future developers can reference our GitHub repository to access these materials.

Insights from Background Research

During the ideation phase, we looked into all current available resources similar to our intended end-product and gleaned key insights to form a competitive analysis of the product landscape. Compared to similar legislation tracker websites from government or other organizations, we identified that the existing resources are less focused on extracting information, and more focused on displaying all resources and letting readers identify the important ones. We discussed this with our clients, Mr. Jaren Love and Ms. Emily Stimmel, and drew the agreement that our project is more focused on information sharing on important legislation fields that are endorsed by AACI. It is less focused on delivering plain information and instead focuses on selected important updates that have a significant impact to the legislation status set by Mr. Jaren Love. We intended to distinguish our website from other similar products in a more visually friendly way, to reduce the information load, and maintain aesthetic consistency with the existing website design of our client's organization.

Website Design

We shared our ideas through drawing on papers and rapid prototyping tools including Invision and Figma. One key design goal was that the website page needs to be consistent with our client's existing website design. We also tried to make the design functionally similar to the existing legislation tracker websites from the government to make the transition to our new platform easier for readers.

With this idea in mind, we made four main conceptual pages outlined below:

- **Home page:** Displays all bills endorsed by our client AACI in a card structure. Inside each bill on the home page, there is a link to go to the bill overview and another link to directly see the detail of the bill.
- **Bills overview page:** Displays the overview of the selected bill from the home page. It also allows quick navigation towards other bills and easily views on the latest updates.
- **Bills detail page:** Displays the full detail of the legislation tracking status of a certain bill. It includes a short About section, Quick Facts section, and the main legislation tracker.
- **About page:** Displays information relative to our project, as well as the broader Public Policy Resource Library which our project is building on.

We iterated our design multiple times and exchanged opinions on all the minor details as well as the wording and color choices. Our client organization AACI has relatively strict rules on the design choices that we followed closely. The full detail of our website design is included in Appendix G.

Website Implementation

Our client organization uses multiple platforms designed mainly by two parties: Blue Archer, which is responsible for the main website and Mr. Mark Busnelli, who works as an external website developer responsible for the implementation of the Public Policy Resource Library, the project we are building on. Since the external developer, Mr. Busnelli has a contract with AACI, he is responsible for developing the website as we provide our design prototypes. Hundreds of messages were sent on several platforms, primarily on the project management software, Basecamp. We made further adjustments towards our design, both for practical concerns due to time constraints, and for design concerns when Mr. Busnelli proposed some great alternatives. The finished staging website design was completed on April 20, and AACI is preparing to launch the project in the near future.

In addition, it was important to perform user testing for project quality assurance purposes. We first made a survey which our clients shared with the internal staff of AACI. Due to the niche subject of our project as a legislation tracker of cancer related bills and the current circumstance of COVID-19, we had limited resources to reach professionals outside of the organization. However, we were able to contact peers to evaluate the aesthetics of our design and to bring to attention any relevant usability issues. We discussed the feedback that we received from our friends and from our survey (see Appendix I) with our clients during the meetings. We additionally shared our opinions on the feedback through Slack and updated the developer through Basecamp to ensure that our project would be usable and useful.

Scalability and Sustainability

Due to AACI's smaller organizational size, and the fact that Mr. Jaren Love is likely to be the sole curator in the near future, scalability was not one of the main concerns. We did not include any collapsed pages or other designs that consider a larger amount of information. Mr. Jaren Love additionally noted that he would most likely only be able to keep track of less than 10 bills at the same time, so we did not consider project scalability for explosive growth. We proposed several design elements that we shared through internal design documents with our clients in case the project does grow substantially in the future.

Since the federal legislation tracker is an expansion of the existing Public Policy Resource Library and given that both clients already have the knowledge on how to use the backend for months, the new product can be easily sustained. Since our clients intend to keep the external developer for a long period of time, we believe that our clients and any future developers can easily understand our project and make expansions based on our documentation.

Documentation

We have extensive documentation on following two items:

- **Design of Federal Legislation Tracker:** a detailed discussion of our design choices, the design templates itself, and suggestions on any future expansions
- **Updates on the AACI Style Guide:** our suggestions for the expansion of the AACI's existing style guide to include the website portion. We not only included the general style guide for our project, but also condensed information that we observed from other web pages inside the AACI's various websites.

Since the AACI intends to have a long-lasting and exclusive relationship with the external developer Mr. Busnelli for their Public Policy Resource Library backend needs, we are not responsible and not able to make documentation on the backend structure. However, with our current extensive documentation, we provide easily understandable documents to any

future developers to expand our project. We, in addition, enable future project teams to understand the current structure of the website designs efficiently and easily.

Top-Level Outcomes

Throughout our project, we have made new one-stop platforms mainly for AACI members to grasp the latest updates on the legislation status of bills endorsed by AACI. Learning about the latest important updates on a cancer-related bill is difficult, either because the accuracy of information decreases as it is spread through various platforms and websites, or because important updates are overwhelmed by the massive amount of non-crucial information. This expansion project saves members of the AACI time to view the important updates, as it provides a one-stop shop for members to view the important updates carefully selected by the AACI. Our project is also consistent with the AACI's statement to "advance the objectives of cancer centers by promoting widespread recognition of the cancer center network" by sharing the knowledge.

Final Project Deliverables

Our final project deliverable can be accessed here.

In addition, listed in the appendix are several useful items:

- The **design documentation** for future reference
- Complete **product feature list** with level of importance
- **Screenshots** of the legislation tracker pages for the live web and mobile displays
- **Prototypes** of the website design
- The **user testing survey** including gathered results
- The project **user stories**

Recommendations

The federal legislation tracker is now complete and running. Ways to sustain and continue its improvement involve curating and creating additional functionalities.

To sustain the current progress of the website, our client, the AACI, can populate the federal legislation tracker with more information on the legislation, and make improvements to the design of the website by understanding the responses we are gathering from the user testing survey and continuing to track user activities via CraftCMS. When we developed the current design and assisted in the implementation of the staging website, we collected some data on the AACI's endorsed legislations so that there is a sufficient amount of

information on the website for user testing, although more data could provide useful new insights.

The legislation tracker can present more value if the curator adds more content such as updates on the status of a bill. More content specifically implies that the website can better fulfill its purpose of being an informative 'one-stop shop' for the AACI's stance on federal legislations. If the federal legislation tracker can establish its reputation with increased content, it can gain more returning engaged users who will choose and potentially advertise the AACI's legislation tracker for educational or informational purposes.

Prior to the closure of the project, we conducted user testing by distributing a survey on users' experience with volunteers in the field of cancer research or government relations. We currently do not have enough time to conduct full-on analysis of the responses, but we have still compiled the results and made them accessible to our client for further analysis. We would also like to recommend that our client look at the responses to understand how the website's design can further develop and improve to support better user navigation and experience in general, so that the website allows users to spend less time to get to the content and to want to return to use the website.

The federal legislation tracker can also accommodate additional functionalities to enhance the user experience. For example, we have proposed adding a search function when the number of the AACI's endorsed legislation grows large enough. In terms of the technology, CraftCMS, the current platform that hosts the legislation tracker, is able to support searching as it is already implemented in the Public Policy Resource Library. For the users, a search bar allows more efficient information retrieval. Additionally, our client can look into web crawling for the news or updates section of each legislation. Currently, the number of bills is small enough that the legislation tracker is fully manageable and maintained by human curators. If the size ever grows larger, our client can look into the application of web crawlers to scrape news from the press online to populate the content on the legislation. Adding such a component can efficiently present information from a variety of sources and requires little time from the curators.

Lastly, the AACI can utilize internal marketing to introduce the federal legislation tracker properly to the AACI's stakeholders. Even though the federal legislation tracker is part of the public policy resource library and thus can be accessed from the library, it would be ideal if the federal legislation tracker can be introduced to regular AACI visitors through, for example, the news section of the AACI's main section.

In conclusion, the actionable items for our client are as follows:

1. To sustain the tracker, populate the website and keep the content up to date.
2. To understand users' activities, analyze the responses from the user testing survey and continue to monitor the website possibly via analytic tools provided by CraftCMS.

3. To enable efficient information retrieval, add a search bar when the number of bills grows large
4. To enable presentation of diverse content, using web crawling for reliable sources if applicable
5. To involve regular visitors and introduce the legislation tracker individually through the AACI's main website and other means such as newsletters.

Should another Information Systems student team pick up the project or partner with the AACI again, there are a few more possible components to add as extensions of the AACI Public Policy Resource Library in addition to the ones discussed previously. Early in our discussion for the scope of this project, Mr. Jaren Love and Ms. Emily Stimmel mentioned the possibility of a letter-writing tool. The letter-writing tool is supposed to provide users with a way to demonstrate support for specific initiatives or legislation. The functionality currently does exist on the AACI's main website; however, it is hosted on a different platform and leads to an external link, causing more disjointedness since the main AACI website and the Public Policy Resource Library are already hosted differently. Although we eventually did not include the letter-writing tool in our scope, it could be a nice addition to the legislation tracker and replace the current "Take Action" button on the details page of the legislation tracker.

In terms of the additional components aforementioned, technology-wise, the team may need to have expertise in CraftCMS to check documentation from last year's Public Policy Resource Library to implement a search function and to look into a web crawling application with the current legislation tracker. In terms of the aspect of people, the next student team can acquire assistance on the project's scope and ideas from their community partners and on technical issues from the AACI's external Craft developer.

About the team

Vaishnav Balaji

Vaishnav served as the quality assurance manager and developer of the project. He oversaw and provided feedback on design and implementation decisions, as well as on user testing interviews, surveys, and communication processes. Vaishnav is a junior majoring in Information Systems, focusing on the Computing & Computer Science content areas.

Mark He

Mark served as the client relationship manager by regularly corresponding with the client to keep them updated and informed on the project. He also led design initiatives by creating wireframes for the legislation tracker web pages. Mark is a junior majoring in Information Systems with a double major in Human-Computer Interaction.

Lena Li

Lena served as the project manager and designer of the project. She led discussions during client meetings by presenting ideas and gathering feedback. She also used design tools to create and update wireframes for the legislation tracker web pages. Lena is a junior majoring in Information Systems with a double major in Human-Computer Interaction.

Cindy Su

Cindy served as the client transition manager and developer of the project. She worked with the client to discuss long-term goals and feasibility of the project, and established a rapport with the client's third-party developer by scheduling frequent meetings. Cindy is a junior majoring in Information Systems with a minor in Computer Science.

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Planning

A. Competitive Analysis

	Craft	Squarespace
Hosting	3rd party hosting	Built-in hosting
Ease of use (admin)	Admin can access a dashboard to edit the content. Training on how to use Craft available on the internet	Admin can edit the content in-place on the website. Usage designed to be intuitive.
Development and Maintainability	Log into Craft dashboard; Develop with Twig. Should be maintained by third-party developers if there is no technical staff in-house. Supports plugins and third-party apps	Login as admin; Mostly drag-and-drop. Can be maintained by non-technical staff. Do not support plugins or third-party apps
Costs	Variable	$26 per month for your site (annual plan $18/month)
Feasibility	Requires learning of Craft 3. Requires learning of Twig, the language associated with Craft.	Requires little learning.
Scalability (data/information)	Can support complex information structure and complex backend design	Has simple back-end design. Might not support complex back-end design (i.e. information storage)

B. Product Feature List

The product feature key has been defined according to last year's (2019) AACI student group.

MVP	refers to the "Minimum Viable Product". This version would contain the minimum necessary features to satisfy the needs of the users and address the core value of the project. E.g. application must be able to host documents internally about cancer legislation. Features labeled as "MVP" are priorities for this version of the project.
Nice To Have	refers to features that help improve the user experience but are not absolutely essential to the core purpose of the proposed resource library. E.g. The ability to download a template and examples for public commenting is convenient for users but more of an added benefit. Nice To Have features are implemented only after MVP features have been successfully created.
Gold Plating	refers to features that will be added only after MVP and Nice To Have features are successfully implemented and if there is time. For example, sharing to social media is not a necessity, but would be a good feature.

Category	Feature	Need
Navigation	*Link from Public Policy Library Home Page*	**MVP**
	Click for Quick Overview	**Nice to Have**
	Click for Full Details	**MVP**
	Take Action Button	**Nice to Have**
Usability	*Headlines of bills present*	**MVP**
	Summary of bill information	**Nice to Have**
	Date of latest update	**MVP**
	Pending and Passed Bill	**Nice to Have**
	Timeline of bill information	**MVP**
	Quick Facts information	**MVP**
	Automated letter PDF generation	**Gold Plating**

Design	*Mobile Responsive*	**MVP**
	Consistent Branding with Parent Website	**MVP**
	Metrics to track engagement of certain bills/issues	**Gold Plating**
Security	*System Admin Login*	**MVP**
	Content Editor Login	**MVP**
	Member Login	**Gold Plating**

C. User Stories

As a <type of user>	I want <some goal>	So that <some reason>	Priority
AACI member	To view the current federal legislation requirements	I can understand the steps I need to follow and understand the process easily on this website.	MVP
Government relations director	To read relevant federal Bills and Acts related to cancer research institutions	I can get educated about the policies already made	MVP
Patient advocate	To check how many sponsors there are for a particular federal legislation	I can understand if the group that I am advocating for has gained enough attention on the federal level	Gold Plating
Researchers	To read the legislations that AACI endorses	I can understand what AACI endorses and the benefits of partnering with AACI	Nice to Have
AACI staff	To update the page with the organization's endorsed legislation	I can present AACI's stand on the federal level	MVP
AACI member	To see the overview of a legislation	I can quickly understand some basic background information on legislation I am not familiar with.	MVP
AACI member	To see the development or the timeline of a legislation	I can stay up to date with the legislation I care about.	MVP

D. Project Schedule

Key

= Client Meeting
= Team Meeting
= Assignment Due

Task	Estimated Due Date	Notes
Client Office Visit (Canceled)	**Friday 2/7/2020**	While the team is able to make the office visit, we are aware that the meeting takes place after the submission of this assignment. Team and client bonding will take place in order to establish common ground and mutual understanding. Note: Due to the bad weather, the client informed us that they were unable to hold the meeting. This section would be rescheduled in the next week on Monday, 2/10.
Team Meeting	**By Saturday 2/15/2020**	Go over team calendar and set up a routine weekly meeting time, discuss specific implementation options, develop Roles and Responsibilities
Client Meeting (Onsite)	**Friday 2/14/2020**	Clarify questions, both client and team should commit to the solution and implementation method. Ask what they would like to have for the sprint report assignment due the following week, and assess time needed accordingly.
Roles and Responsibilities	**Monday 2/17/2020**	As the team outlines roles and responsibilities, it is important to consider that each person's role does not limit one from being there for his/her teammates should challenges come up.
Revised Proposal		Check peer feedback and clarify any points of confusion at least 24 hours in advance
Team Meeting	**By Wednesday 2/16**	Working on first Git team lab assignment
Team Meeting (optional)	**Friday 2/21/2020**	Finishing up Git team lab assignment
Git Team Lab	**Friday 2/21/2020**	Schedule time to work on the lab together in advance in order to avoid falling behind due to the tight timeline.
Team Meeting	**(!)Weekend of Feb. 21-23**	Given that two items are due the upcoming Monday, the team needs to devote time to work on the Sprint report and communicate with each other in time before peer evaluation submission.
Team Sprint Report	**Monday 2/24/2020**	Given that this is the first report, we need to

		position ourselves in a good place to show our commitment to and understanding of the client's needs.
Peer Evaluations		Communicate any issues ahead of time in the weekend meeting before submission.
Client Meeting	**Tentative: 2/24/2020 after advisor meeting**	Review progress and sprint report as soon as possible in order to move onto the next item. Doughnuts are allowed.
Communicating technical concepts HW	**Wednesday 2/26/2020**	Given the lack of information on this assignment, there is currently no meeting set to complete this assignment. If needed, virtual Google Hangouts is possible.
Team Sprint report	**Monday 3/2/2020**	Consider any feedback from the previous week for improvement.
Client Meeting (virtual)	**Tentative: Week of 3/2 - 6**	Given that this is the last week before spring break, we will hold a shorter meeting to be sure we are in communication and staying on track.
Capacity building planning worksheet	**Wednesday 3/4/2020**	(!)More information needed
Team meeting	**Thursday 3/19/2020**	Discussion on revisions, final proposal
Client meeting	**Friday 3/20/2020**	Discuss wireframes and timelines
Team meeting	**Sunday 3/22/2020**	Given that two items are due the upcoming Monday, the team needs to devote time to work on the Sprint report and communicate with each other in time before peer evaluation submission.
Sprint Report Due	**Monday 3/23/2020**	Sprint Report Submission (10/10)
Team meeting	**Thursday 3/26/2020**	Catch up on new ways to work with remote learning and video conferencing technologies.
Client meeting	**Friday 3/27/2020**	Client Meeting Agenda
Team meeting	**Sunday 3/29/2020**	Team works on sprint report together
Sprint Report Due	**Monday 3/30/2020**	Sprint Report Submission (10/10)
Team meeting	**Thursday 4/2/2020**	Follow up with Mark Busnelli on development progress.
Client meeting	**Friday 4/3/2020**	Client Meeting Agenda
Team meeting	**Sunday 4/5/2020**	Team works on sprint report together
Sprint Report Due, Peer evaluations	**Monday 4/6/2020**	Sprint Report Submission (10/10)
Client meeting	**Friday 4/10/2020**	Client Meeting Agenda

Team meeting	**Sunday 4/12/2020**	Team works on sprint report together
Sprint Report Due	**Monday 4/13/2020**	Sprint Report Submission (10/10)
Outcomes HW Due	**Wednesday 4/15/2020**	Individual Submission
Client meeting	**Friday 4/17/2020**	Client Meeting Agenda
Team meeting	**Sunday 4/19/2020**	Team works on sprint report together
Sprint Report Due	**Monday 4/20/2020**	Sprint Report Submission (10/10)
Second to Last Client meeting	**Friday 4/24/2020**	Client Meeting Agenda
Midterm	**Wednesday 4/22/2020**	
Team meeting	**Sunday 4/26/2020**	Team works on sprint report together
Sprint Report Due	**Monday 4/27/2020**	Sprint Report Submission (10/10)
Personal project reflection, Logo and project information, executive summary, Final report, project deliverables	**Wednesday 4/29/2020 midnight**	Team collaborates remotely
Last Client meeting	**Friday 5/1/2020**	Client Meeting Agenda
Slides due	**Wednesday 5/7/2020**	Team 3 minutes, Client 7 minutes

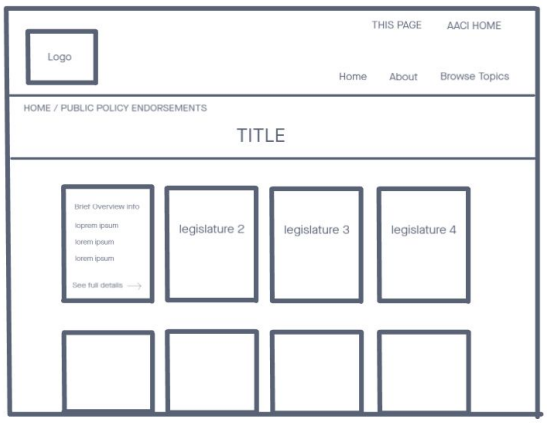
Design

E. Design Documentation

Our team has shared the Legislation Tracker Design Documentation which includes the following sections:

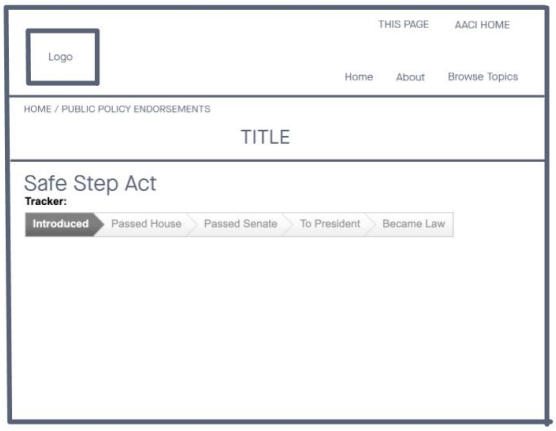
Background, Targeted Users
Issue with Current Trackers
Requirements of the New Design
Improvements by the New Design
Pages Design Decisions
Home Page
Overview Page
Full Detail Page
About Page
Low-fi Wireframe
Mid/Hi Fi Wireframe - Desktop
Mid/Hi Fi Wireframe - Mobile

F. Wireframes Low Fidelity



Main Page

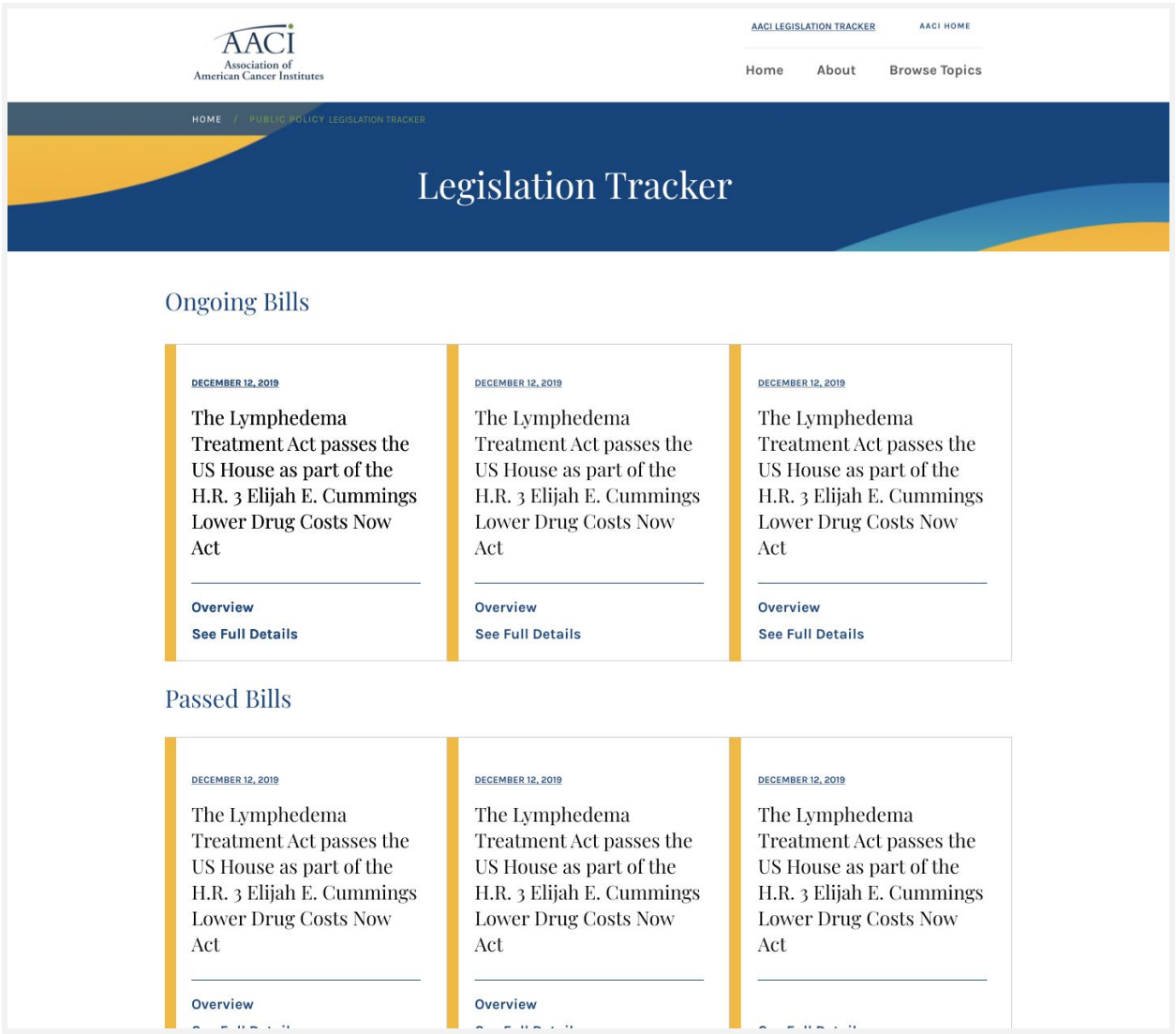
Hover / Click (Quick Overview)



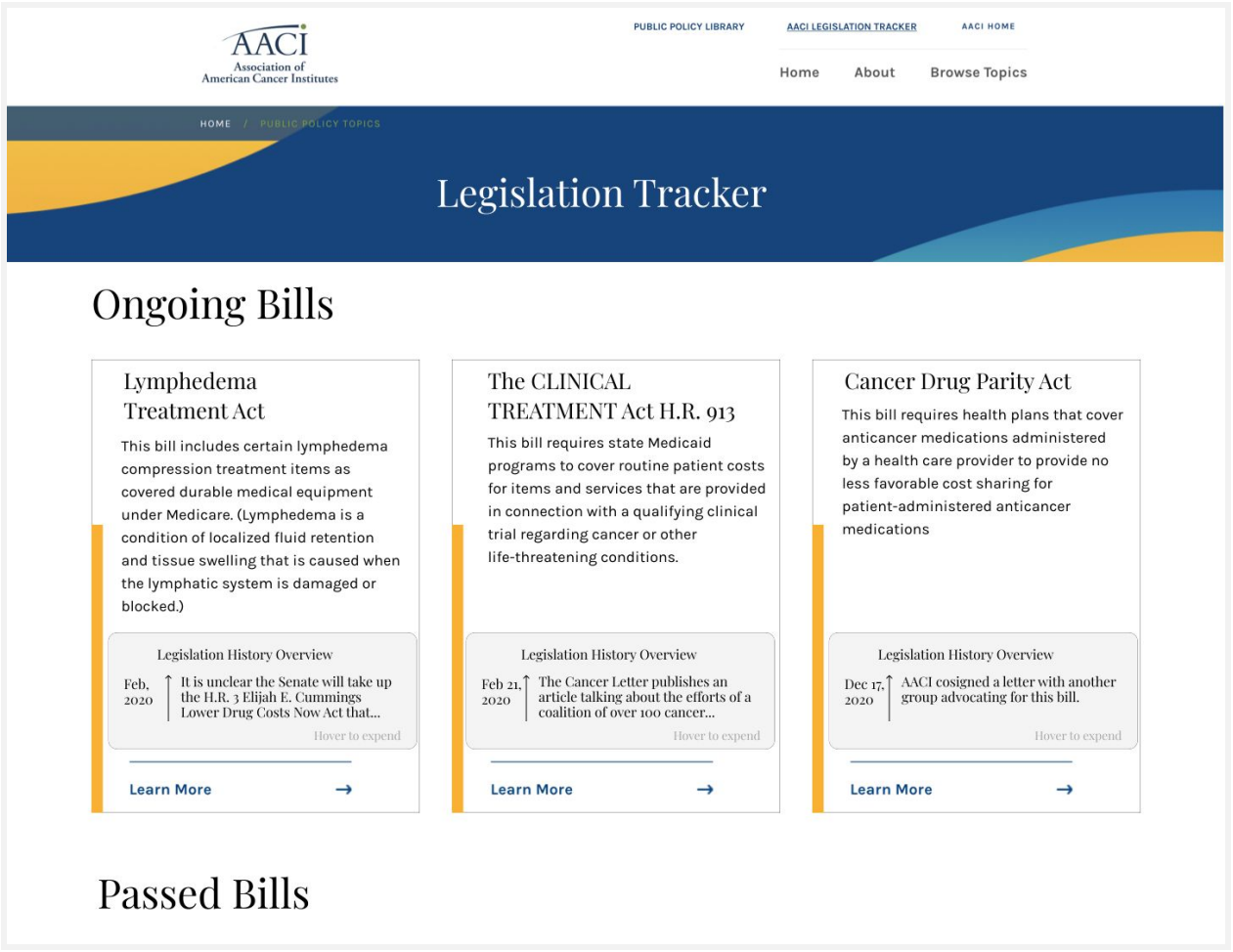
Full details page

G. Wireframes High Fidelity

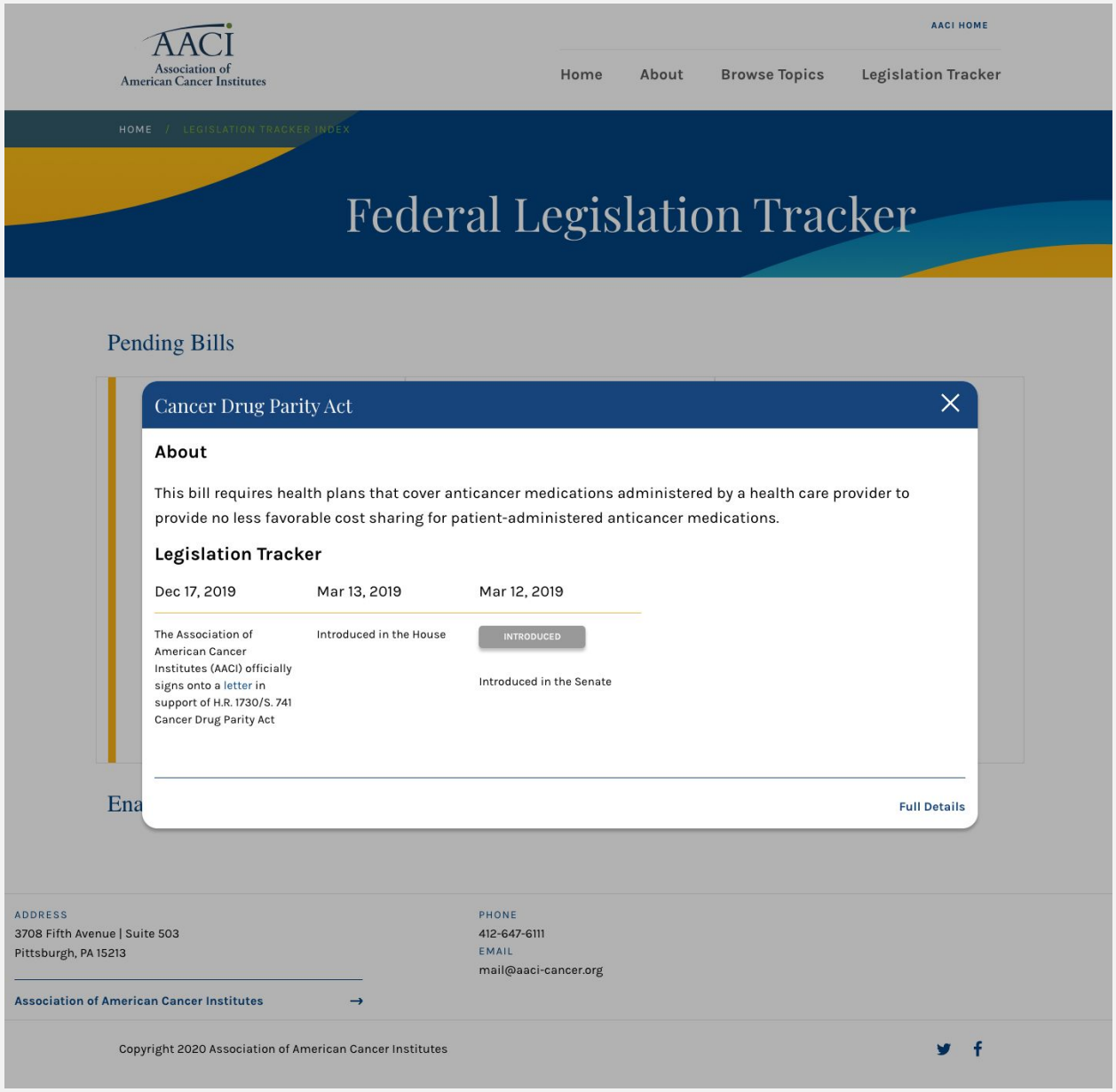
Homepage Design A



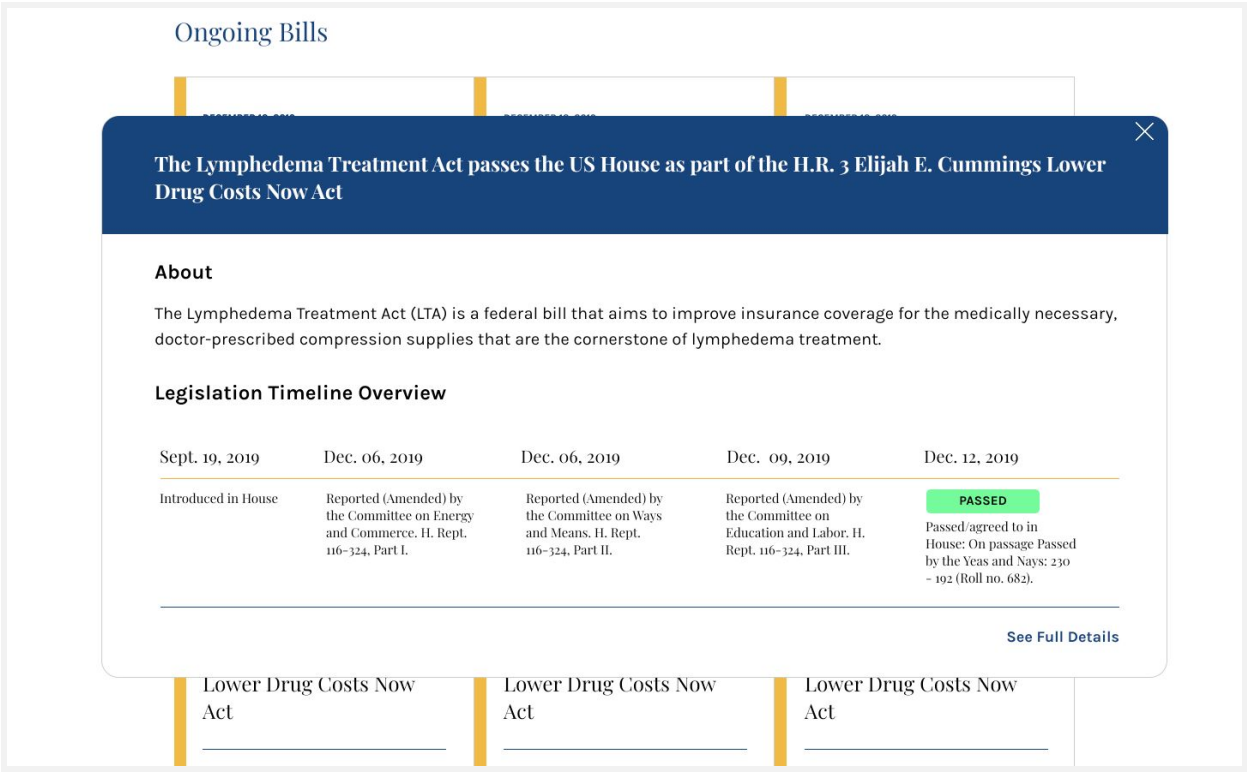
Homepage Design B



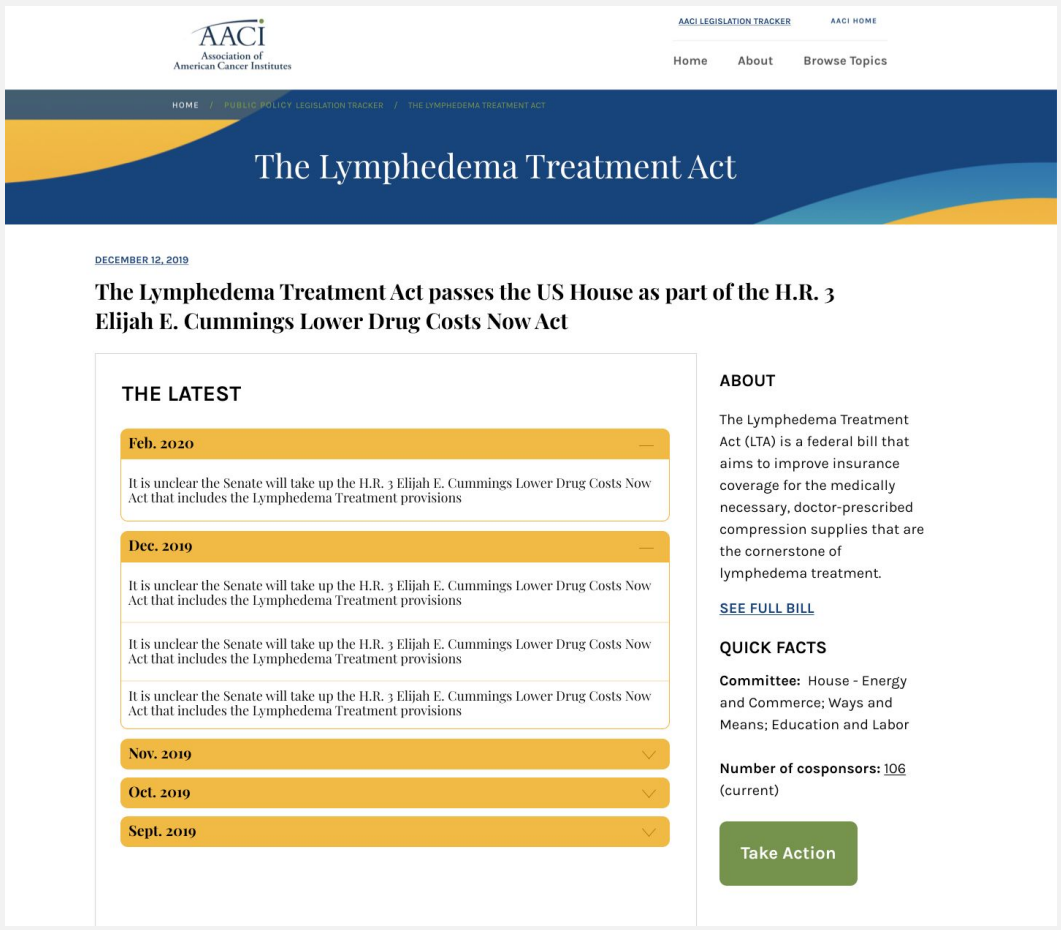
Quick Overview Page Design A



Quick Overview Page Design B

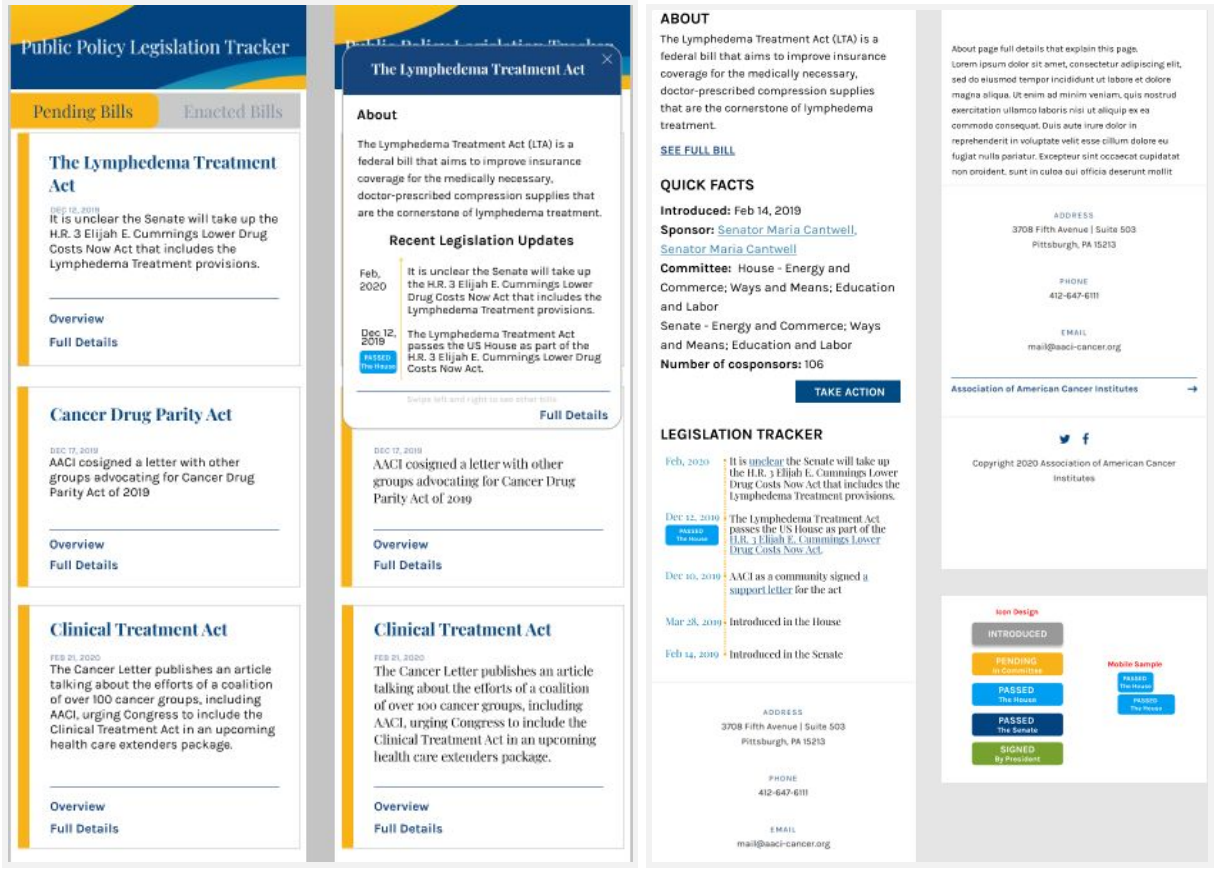


Full Details Page A



Full Details Page

Mobile Wireframes



Development

H. AACI Style Guide Design Documentation Updates

Notes on the AACI Website Design
Development Teams
General Design Rules
Website Color Choices
Website Design Choices
Frequently Used Design Patterns

The style update intends to create a basic guideline for any future website developer for AACI. Detailed materials can be viewed through the deliverables.

Testing

I. User Testing Survey

User Testing for AACI Legislation Tracker

We initiated a new project called Federal Legislation Tracker for the AACI. The main intention for the project is to create a one-stop place to track all related Bills that AACI endorse. Please help us evaluate the website and provide useful feedback to help us improve. Thank you!

* Required

1. What is your role within your organization?

2. What is your organization?

3. I understand the purpose of the website. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

4. I feel the design of the Legislation Tracker pages is consistent with the main website(revise: aaci-cancer vs aaci-library) *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

5. The web pages have interactive elements. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

6. The text on each page makes the content easy to read. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

7. I feel lost when trying to go to the full details page of a specific legislation from the main legislation tracker page. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

8. I feel lost when trying to return to the main legislation tracker page from a specific legislation details page. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

9. The legislation overview presents too much information. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

10. The website was intuitive for me to use. *

Mark only one oval.

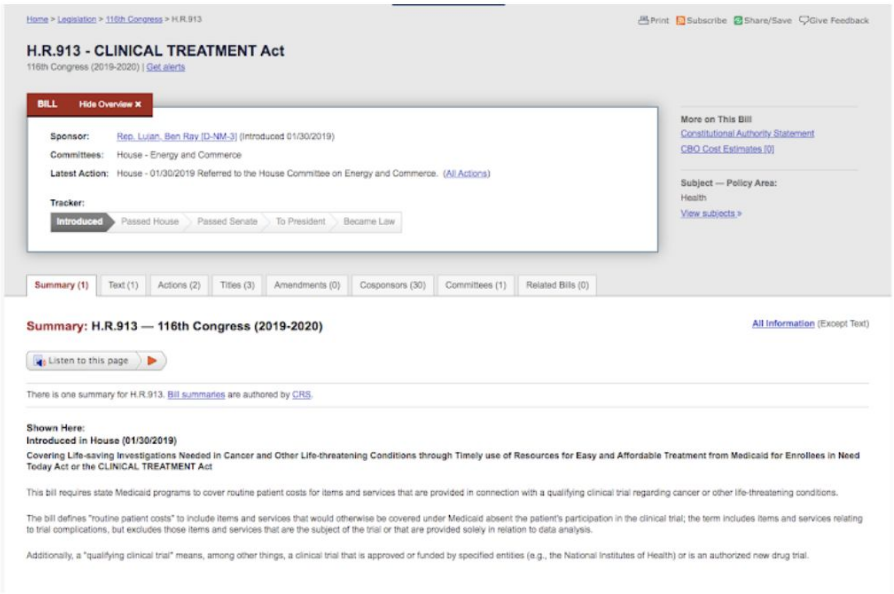
	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

11. I can see myself incorporating this website and its features into my daily work. *

Mark only one oval.

	1	2	3	4	5	
Disagree	◯	◯	◯	◯	◯	Agree

12. How do you think of our new detail page compared to the GovTrack counterpart (an example shown below).



13. How would you describe your overall experience with the website? Are there any suggestions or improvements that you would make? *

J. User Testing Results

Qualitative Summary of User Testing Feedback	
Purpose	Most people understand the purpose of the website and the contents are mostly easy to read.
Navigation	The navigation on the nav bar is still mildly confusing and some feel lost when attempting to navigate back to the home page. “The AACI is clear and easy to navigate around and user friendly.”
Content Presentation	Content density: Overview content has mixed feedback; some people said it's “too much” information, others said it’s about right. Content formatting: The size of fonts can be adjusted. Smaller fonts can be A/B tested before the final release. Aesthetics: “Beautiful website”
GovTrack Comparison	Some people really like it, one response expressed that “the consistency of the order of things needs to be fixed and I think chronological order should go left to right. And, top to bottom.” “I think the order of things is easier on govtrack. Sometimes you have things left to right and some things right to left. Also need to look at up vs. down. It's not consistent and not always intuitive.” “It is simpler but leaves out specific information I would always need, like who from my delegation is a cosponsor.” “It was a good experience. It was easy to interact with and had clear paths to moving between pages. I see there are links to "See full bill" but when clicked it takes me to an article or letter explaining the bill. It might be helpful like GovTrack to see the actual bill or have a link to the actual bill and amendments to read word for word.” “I think the site that was built looks like a smaller version of the [GovTracker] site”
Other	“It was a good experience. It was easy to interact with and had clear paths to moving between pages. I see there are links to "See full bill" but when clicked it takes me to an article or letter explaining the bill. It might be helpful like GovTrack to see the actual bill or have a link to the actual bill and amendments to read word for word.”

	“I would value knowing if the bill changed (or not) from the last Congress and how.” “The page was very easy to use. I have two comments: 1. The "Overview" link did not take me anywhere, was it supposed to? 2. The "Introduced" box on the bill timeline looks like a button that can be pressed for more information when it is not accompanied by the "passed the house" button like in the Lymphedema Act bill. I was a little disappointed that I could not click on the "button".”

Key

1	2	3	4	5
Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree

Quantitative Summary of User Testing Feedback					
Question	**% Strongly Disagree (1)**	**% Disagree (2)**	**% Neutral (3)**	**% Agree (4)**	**% Strongly Agree (5)**
I understand the purpose of the website.	0%	0%	0%	25%	75%
I feel the design of the Legislation Tracker pages is consistent with the main website(revise: aaci-cancer vs aaci-library)	0%	0%	12.5%	12.5%	75%
The web pages have interactive elements.	0%	0%	0%	12.5%	87.5%
The text on each page makes the content easy to read.	0%	12.5%	0%	0%	87.5%
I feel lost when trying to go to the full details page of a specific legislation from the main legislation tracker page.	25%	62.5%	12.5%	0%	0%
I feel lost when trying to return to the main legislation tracker page	50%	37.5%	0%	0%	12.5%

from a specific legislation details page.					
The legislation overview presents too much information.	50%	12.5%	25%	0%	12.5%
The website was intuitive for me to use.	0%	0%	12.5%	37.5%	50%
I can see myself incorporating this website and its features into my daily work.	0%	0%	50%	25%	25%

Data collected from the survey consists of 8 individuals that included professionals from Government Relations, Federal Legislative Affairs, and Communications, an Events Associate, Director of Programs, Program Coordinator and a staff member. Future surveys can test a larger sample size of a similar demographic.

Selected Screenshots of the Free Response Questions

How do you think of our new detail page compared to the GovTrack counterpart (an example shown below).

6 responses

I think the site that was built looks like a smaller version of the above site

Favorably

It is simple and straight forward.

the AACI site is nicer, easier to use

I think the order of things is easier on govtrack. Sometimes you have things left to right and somethings right to left. Also need to look at up vs. down. It's not consistent and not always intuitive.

It is simpler but leaves out specific information I would always need, like who from my delegation is a cosponsor.

How would you describe your overall experience with the website? Are there any suggestions or improvements that you would make?

7 responses

The page was very easy to use. I have two comments: 1. The "Overview" link did not take me anywhere, was it supposed to? 2. The "Introduced" box on the bill timeline looks like a button that can be pressed for more information when it is not accompanied by the "passed the house" button like in the Lymphedema Act bill. I was a little disappointed that I could not click on the "button".

The text in the About sections of the legislation Overviews seems a bit too big and especially wide. It's a bit of a chore to keep reading all the way across the screen. The columns format used in the rest of the tracker is better.

It was a good experience. It was easy to interact with and had clear paths to moving between pages. I see there are links to "See full bill" but when clicked it takes me to an article or letter explaining the bill. It might be helpful like GovTrack to see the actual bill or have a link to the actual bill and amendments to read word for word.

The AACI is clear and easy to navigate around and user friendly.

love it!

I think it's a beautiful website and appreciate all of the obvious hard work that went into it. However, the consistency of the order of things needs to be fixed and I think chronological order should go left to right. And, top to bottom. If this doesn't make sense, please contact me: isaacsoo@mskcc.org

I would value knowing if the bill changed (or not) from the last Congress and how.

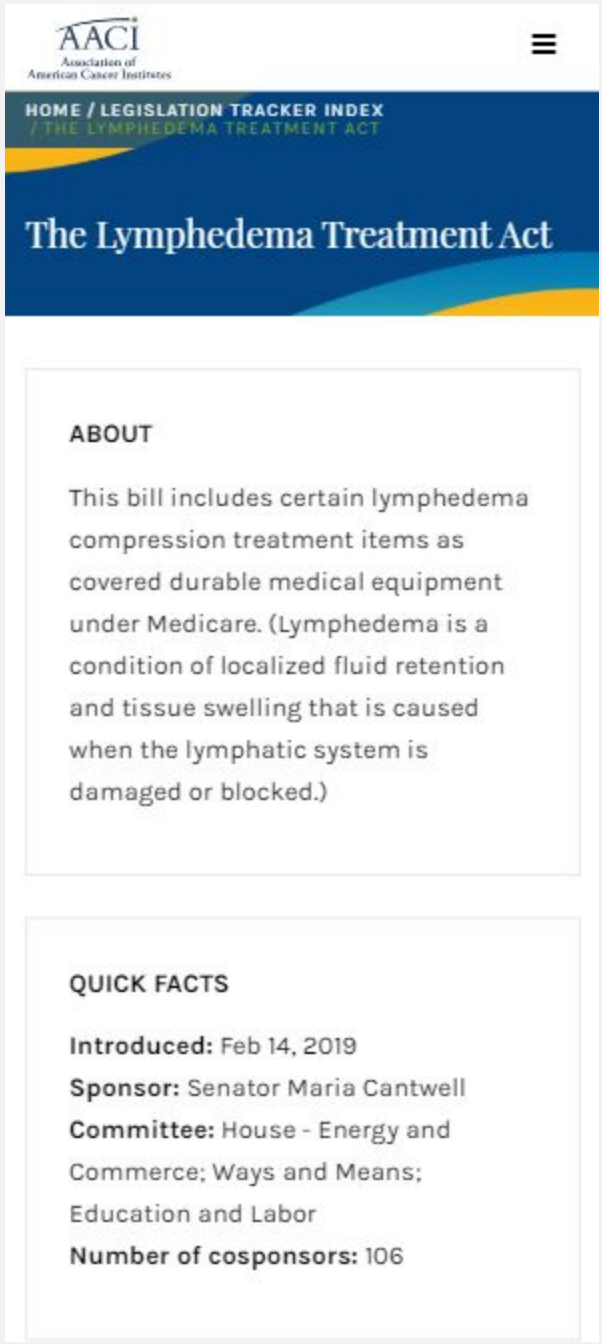
Final Product

K. Deployed Mobile Screenshot

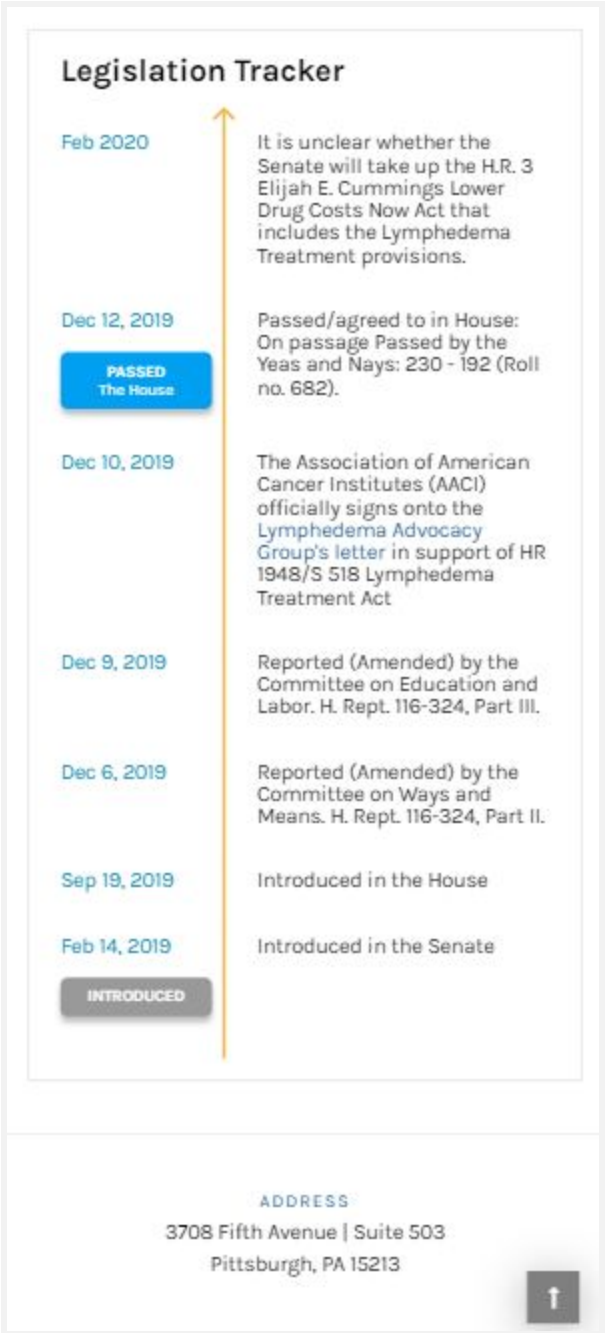
Mobile Legislation Tracker Home Page

Mobile Individual Legislation Overview

Mobile Individual Legislation Full Details

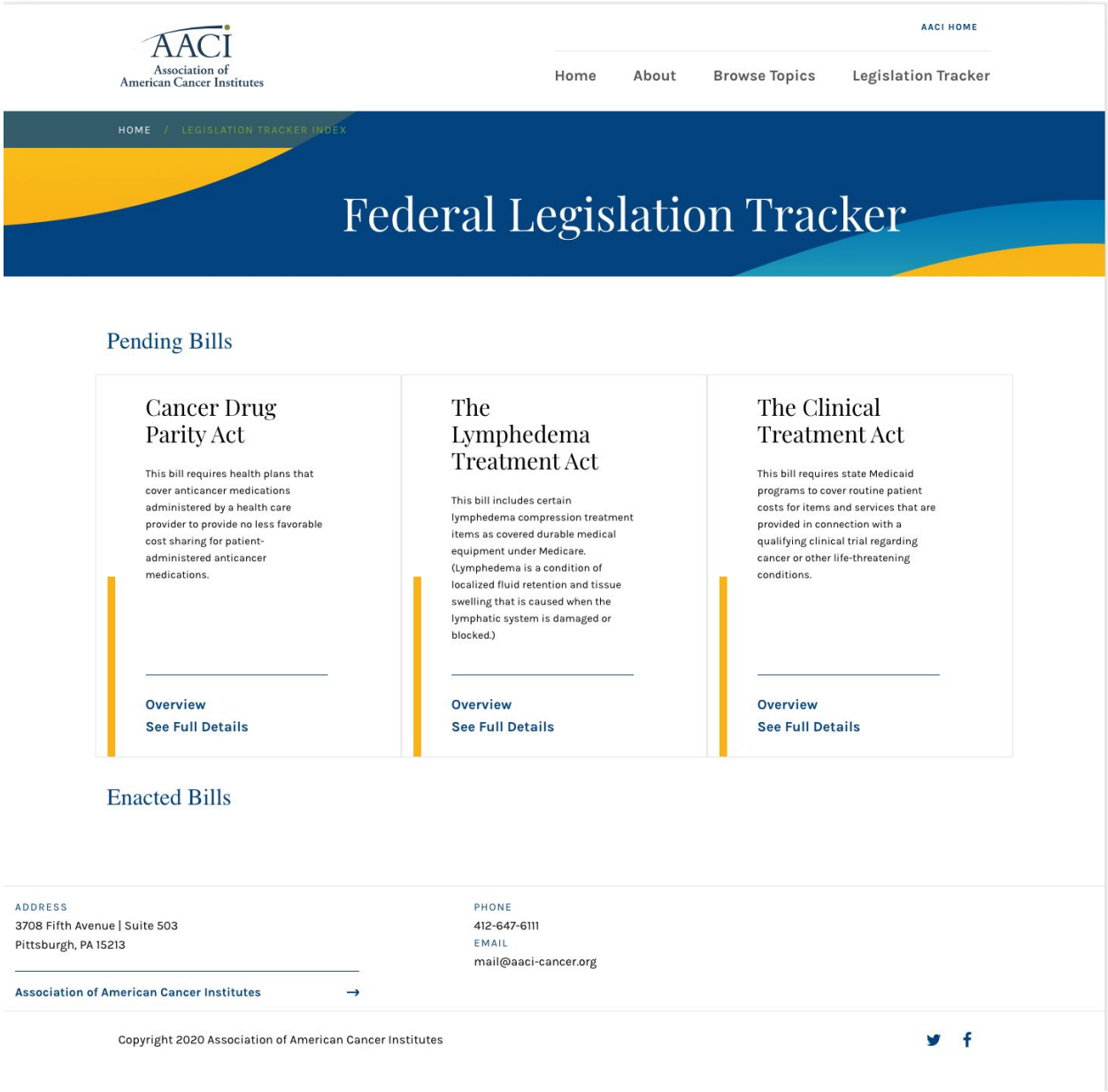


Full Details, continued

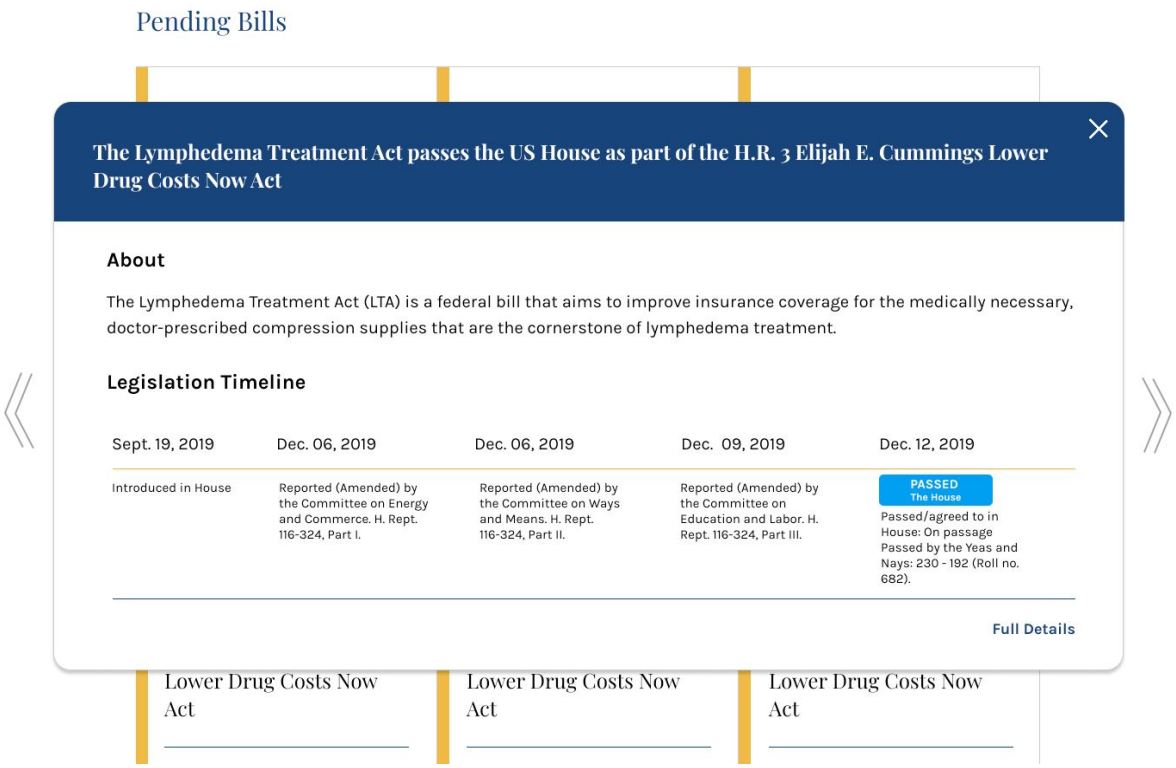


L. Deployed Web Screenshot

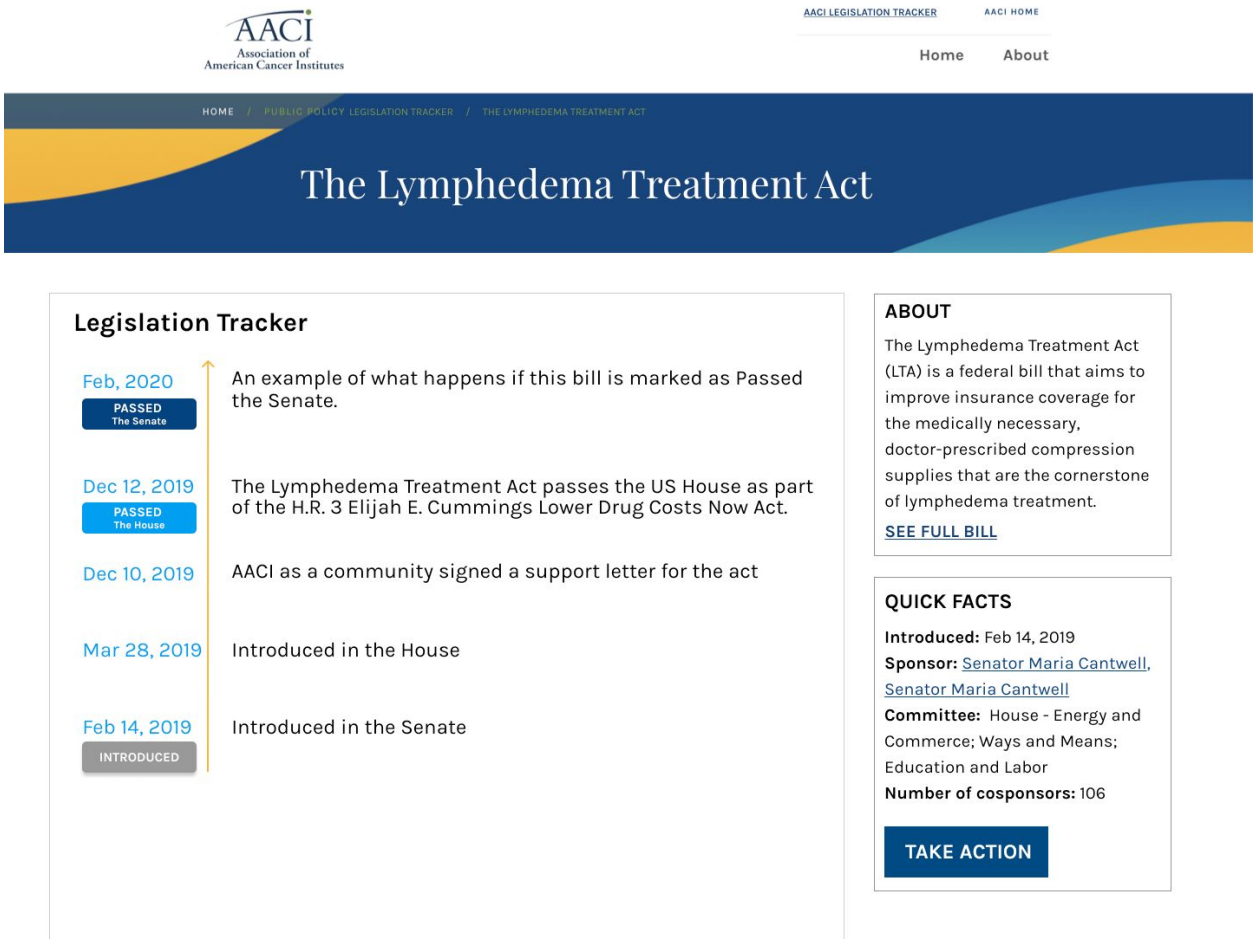
Home Page



Individual Legislation Overview Page



Individual Legislation Full Details Page



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