

DESIGN FOR DIGITAL EQUITY

Mayor's Office of Performance & Innovation

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DIGITAL EQUITY PROJECT GOALS

1

Strategy

Identify the user strategy and **user experience** for the first priority group at the neighborhood level

2

Awareness

Generate awareness and encourage use of the City's free wifi service

3

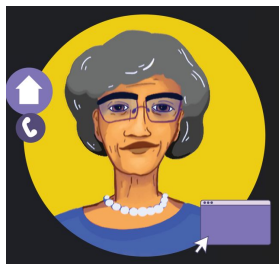
Delivery

Increase public access to free internet in Baltimore City while prioritizing underserved neighborhoods and communities

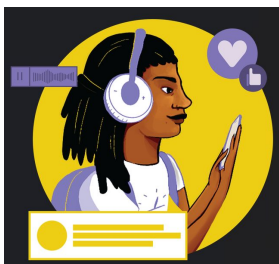
RESEARCH OVERVIEW

- **Who** is the user? - Personas
- **Where** does the user want to use a hotspot? - Location Selection

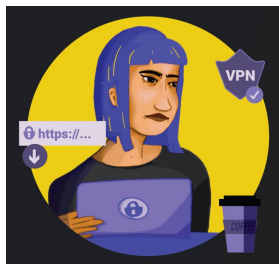
The Digital Novice



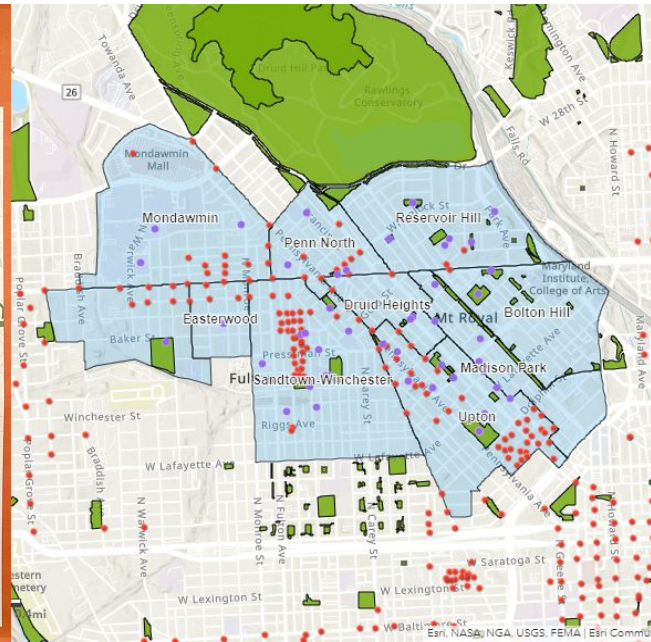
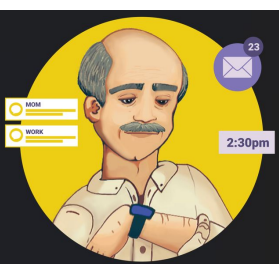
The Easy Does It



The Safe Guard

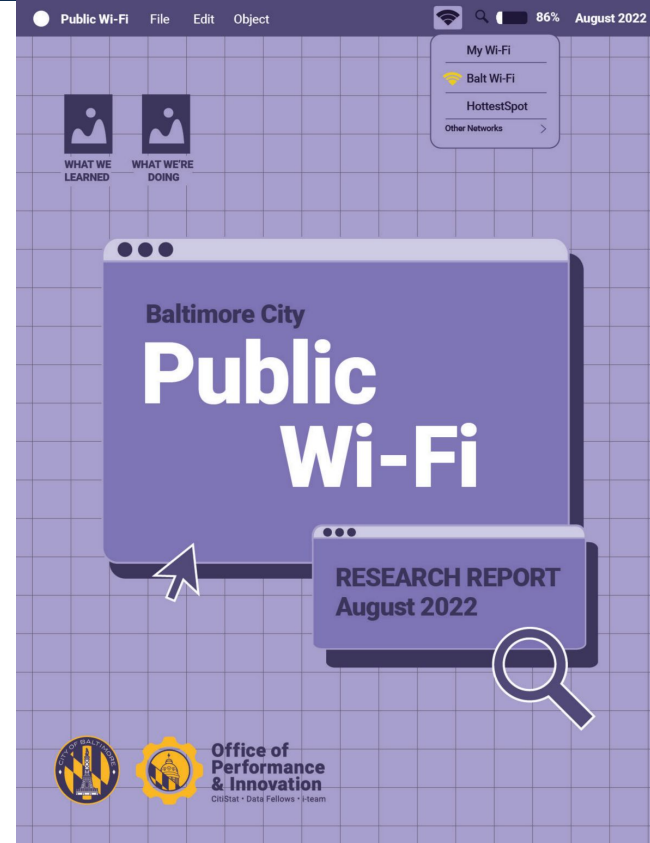


The Need for Speeder



MY DELIVERABLES

- Data visualizations and iconography for the user research report
- Wireframes + prototype for the public Wi-Fi service website
 - Usability testing guide



RESEARCH REPORT ART SUPPORT

Design Principles - Iconography



EQUITY AT EVERY STEP OF THE WAY

Communities with the highest need and most historical disinvestment will be prioritized as the public Wi-Fi expansion rolls out.



SAFETY ONLINE AND IN PERSON

Residents should feel safe while using the network, by providing key security features and locating hotspots in safe public spaces that are clean, well lit, and have regular upkeep.



COLLABORATION & DATA TRANSPARENCY FOR TRUST BUILDING

The City should develop privacy policies that are resident informed, and provide transparency around any data that's collected and how it's used.



AS EASY AS 1, 2, 3

Connecting to public wi-fi should require limited steps and effort from residents.



DIGITAL KNOWLEDGE IS POWER

Residents should have access to essential education resources and tools to build their digital literacy, with local anchor institutions serving as key digital access points.



A STRONG AND FRIENDLY "BALTIMORE" BRAND

To inspire trust in the service and be uniquely identifiable to residents (generating awareness for the service), branding should feel "Baltimorean," and communication to residents should use plain language and a professional, friendly tone.



GOLD STAR SERVICE

The City's wi-fi should be reliable, and when it's not, there should be clear communication about service interruptions.

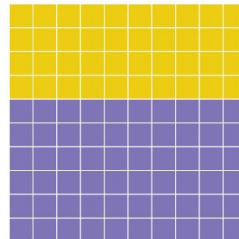


NO COST, NO BARRIERS

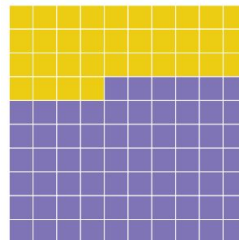
City wi-fi should be free and accessible for all residents regardless of technical skills, language spoken, and disabilities.

Visualizing the Digital Divide in Baltimore City

40% of all Baltimore City households lack wireline broadband access

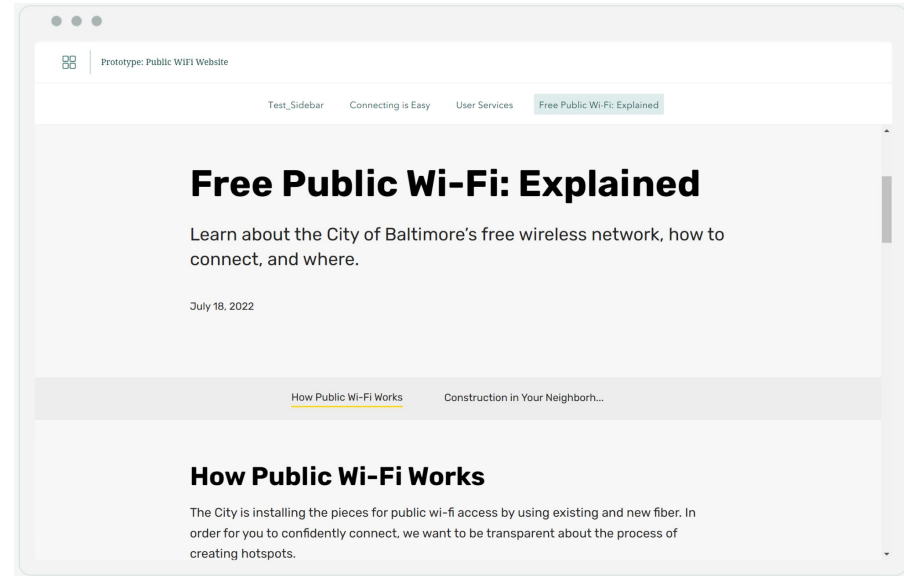


34% of all Baltimore City households with youth under 18 lack wireline broadband access



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DESIGNING THE SERVICE WEB PRESENCE

- Map tool

- Usability (Front-End)

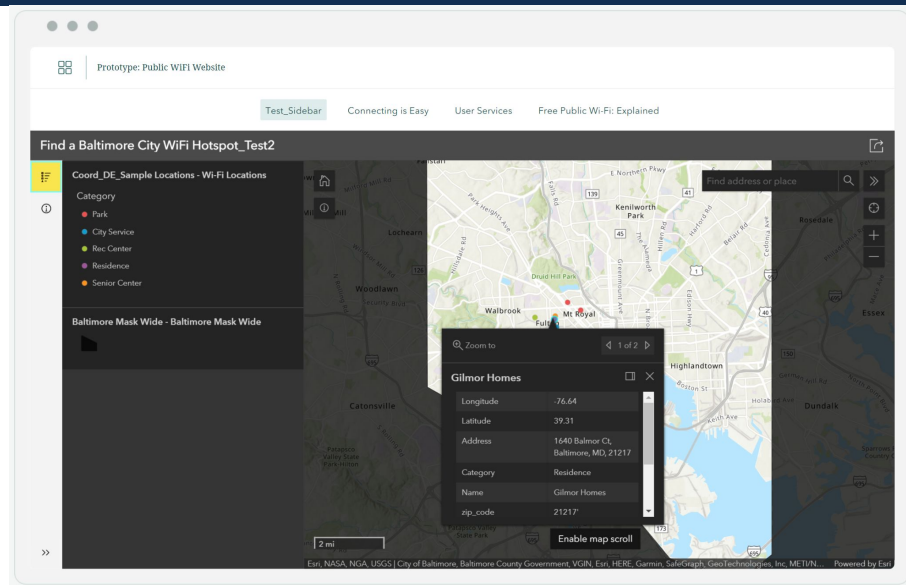
- Sustainability (Back-End)

- Content

- Navigation

- Plain language + transparency

- Multimedia



Coord_DE_Sample Locations - Wi-Fi Locations
6 records, 0 selected

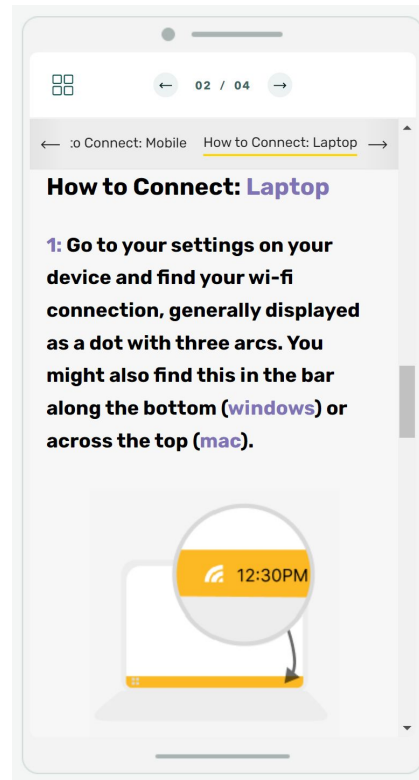
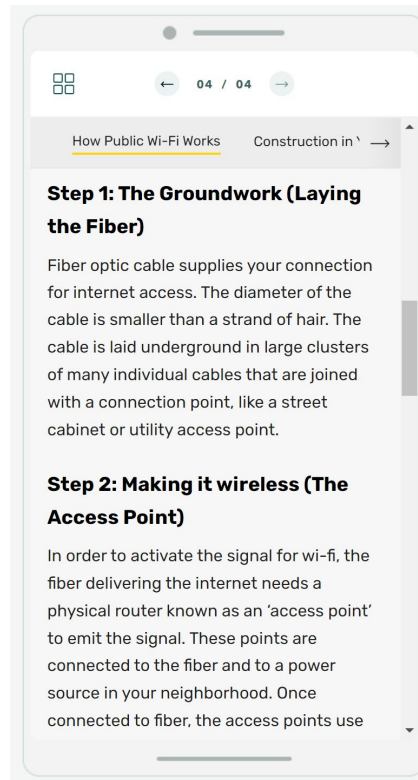
		Latitude	Address	Category	Name	zip_code
		39.31	1522 N Bentalou St, Balti...	Rec Center	Easterwood Park & Rec ce...	21216
		39.31	1601 Baker St, Baltimore, ...	Senior Center	Sandtown Winchester Sen...	21217
		39.31	1600 Laurens St, Baltimor...	Park	William McAbee Park	21217
		39.31	2325 Madison Ave, Baltim...	Park	Madison & Whitelock Park	21217
		39.30	1135 N Gilmor St, Baltimo...	City Service	DSS Baltimore Housing Fo...	21217
		39.31	1640 Balmor Ct, Baltimore...	Residence	Gilmor Homes	21217

DESIGNING THE SERVICE WEB PRESENCE

- Map tool
 - Usability (Front-End)
 - Sustainability (Back-End)

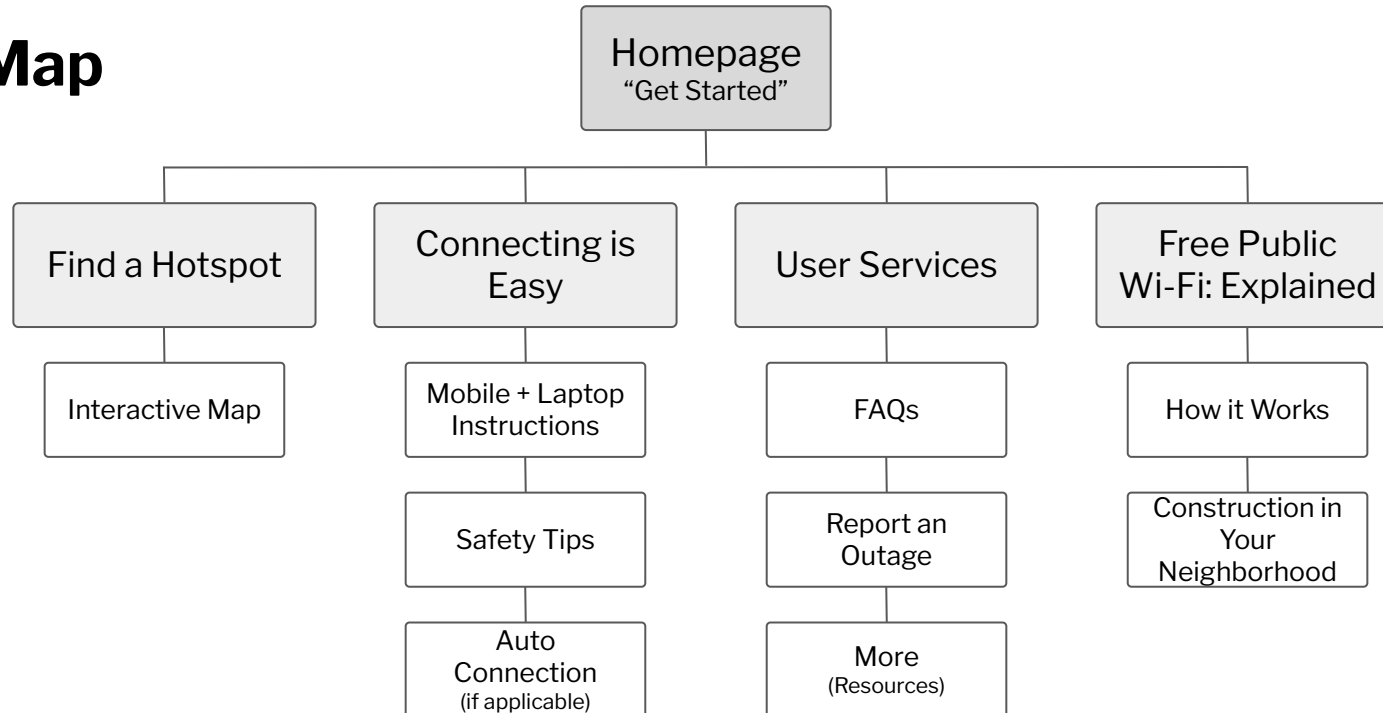
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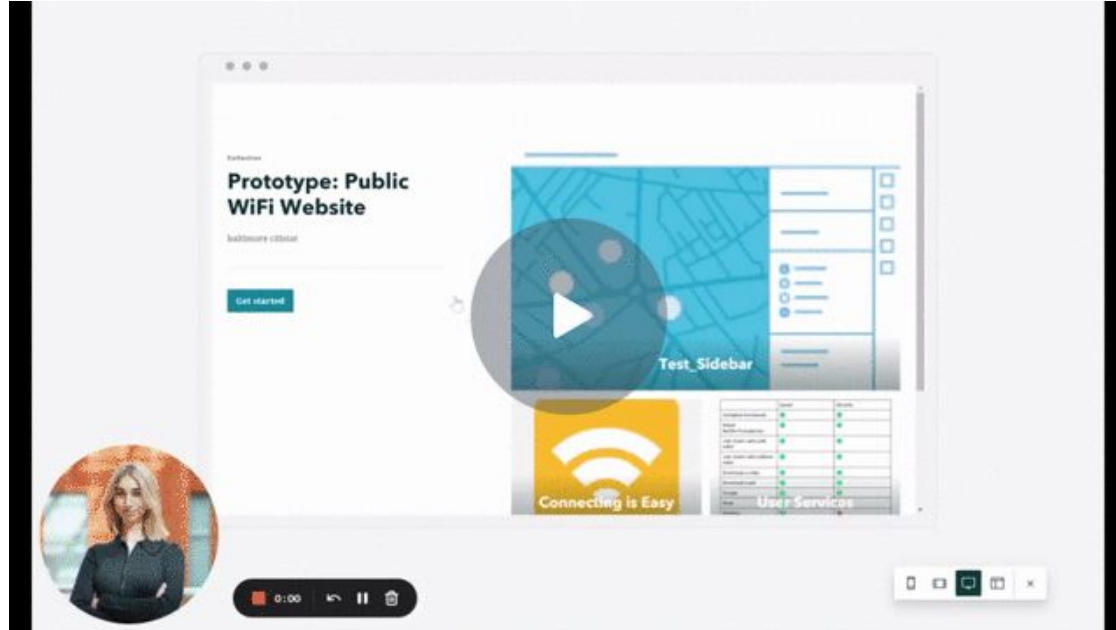
DESIGNING THE SERVICE WEB PRESENCE

Site Map



DESIGNING THE SERVICE WEB PRESENCE

Click on the thumbnail>>



Demo: Esri Story Maps Prototype

Baltimore City Public Wi-Fi Service Website

NEXT STEPS FOR I-TEAM

- Conversation with BCIT's development team
 - Development of connection screen timeline, process
 - .gov live site
- Usability testing upon approval
 - Created and tested guide internally (OPI participants)

[Baltimore City Wi-Fi] Usability Testing Plan

Month Year

Usability Testing Overarching Questions

- + How is the **connection experience** for users of Baltimore's free, public Wi-Fi network?
- + When might users experience **pain points** with
 - + The website for the service?
 - + The map for locating hotspots?
- + How **readable** is the information provided by the City about the service?

Usability Testing Goals

- + To create a frictionless connection experience to the new public network
- + To increase the usability of the website for the service and the map for locating hotspots

Suggested Users

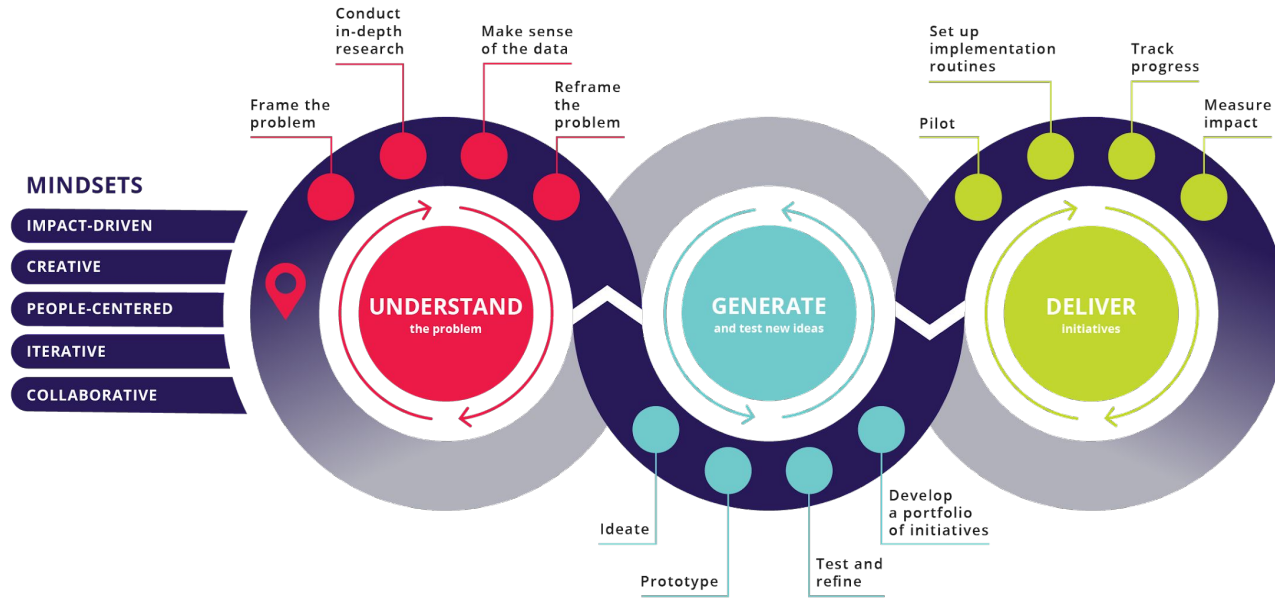
- + Older adults
- + Youth
- + Multiple neighborhoods

Supplies Needed

- + Consent form and testing scripts
- + Devices?



TAKEAWAYS



Bloomberg Cities' Design-Based Innovation Model