

NUKEMAP Renovations: Mobile

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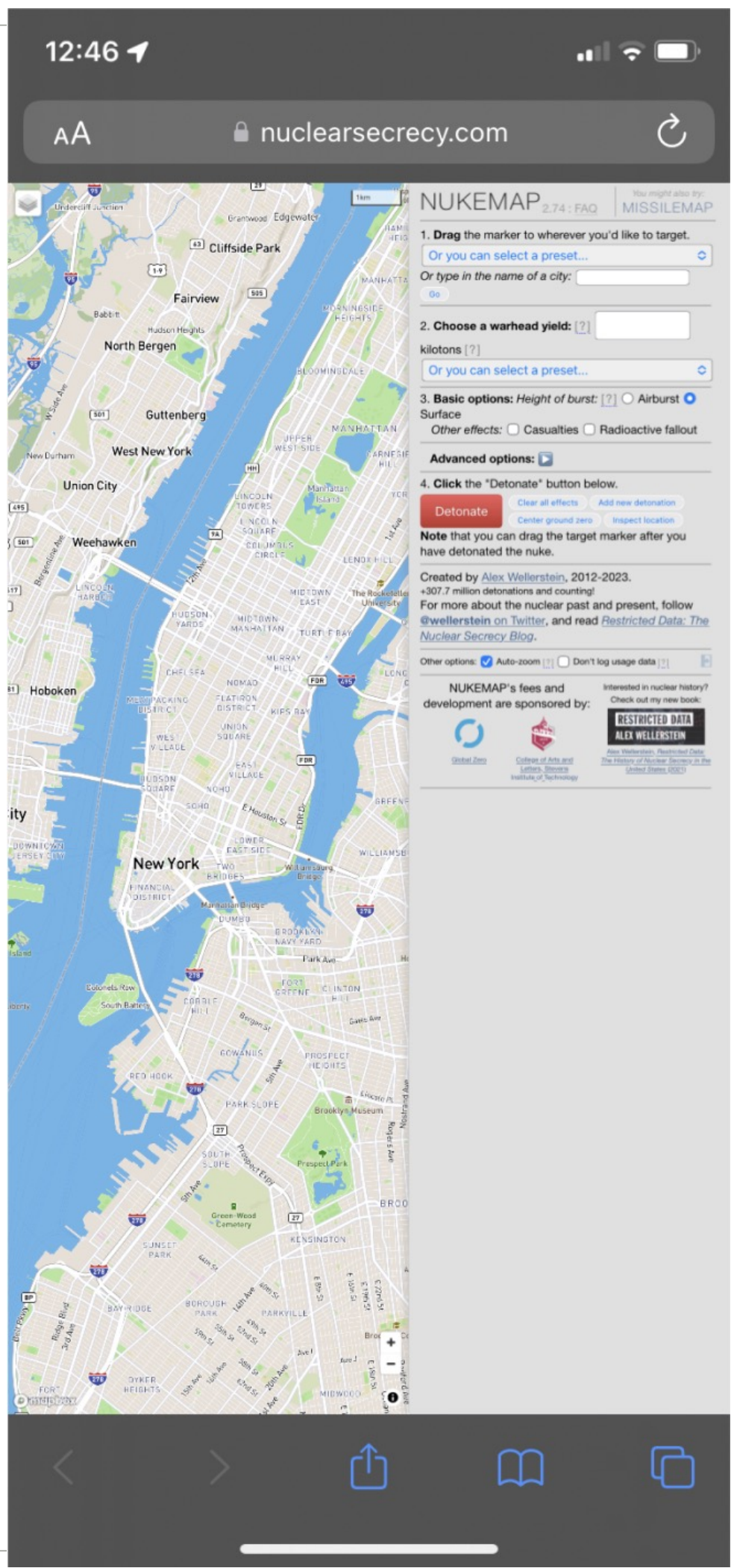
What is NUKEMAP? A web app that takes input of bomb types and detonation locations to display theoretical results of their effects.

GOALS

- 1) Improve mobile accessibility (60% of hits are from mobile devices)
- 2) Add features users expect like location services and the ability to share results

Before

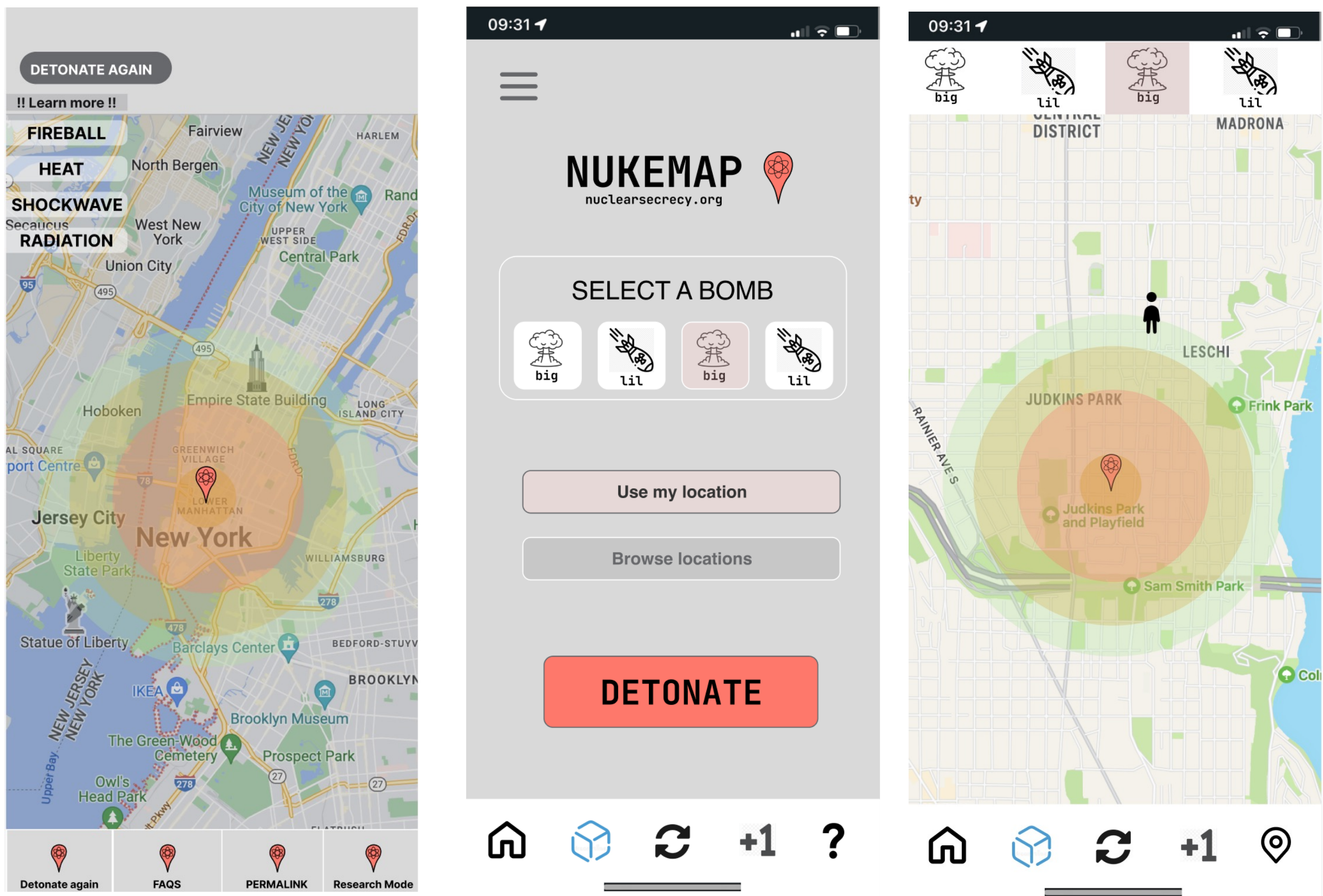
- NUKEMAP opens the same on mobile as on desktop
- Pros: Everything on one page
- Cons: Difficult to read
- Once the map is clicked the sidebar permanently disappears



Features to implement

- “Use my location” button
- Hold and share blast settings from a prior detonation
- Decrease number of clicking interactions

Prototype Testing & Transformations



- Too many buttons
 - Dependencies
- Buttons at the bottom run are too close to Safari/internet options

Results

- Using **overlays** and **shading** over (un)clicked buttons, we improve the flow
- Icons on the top bar distinguish features



Change currently detonated bomb type.



Opens an overlay to search detonation locations, with the option to add or keep the current one.



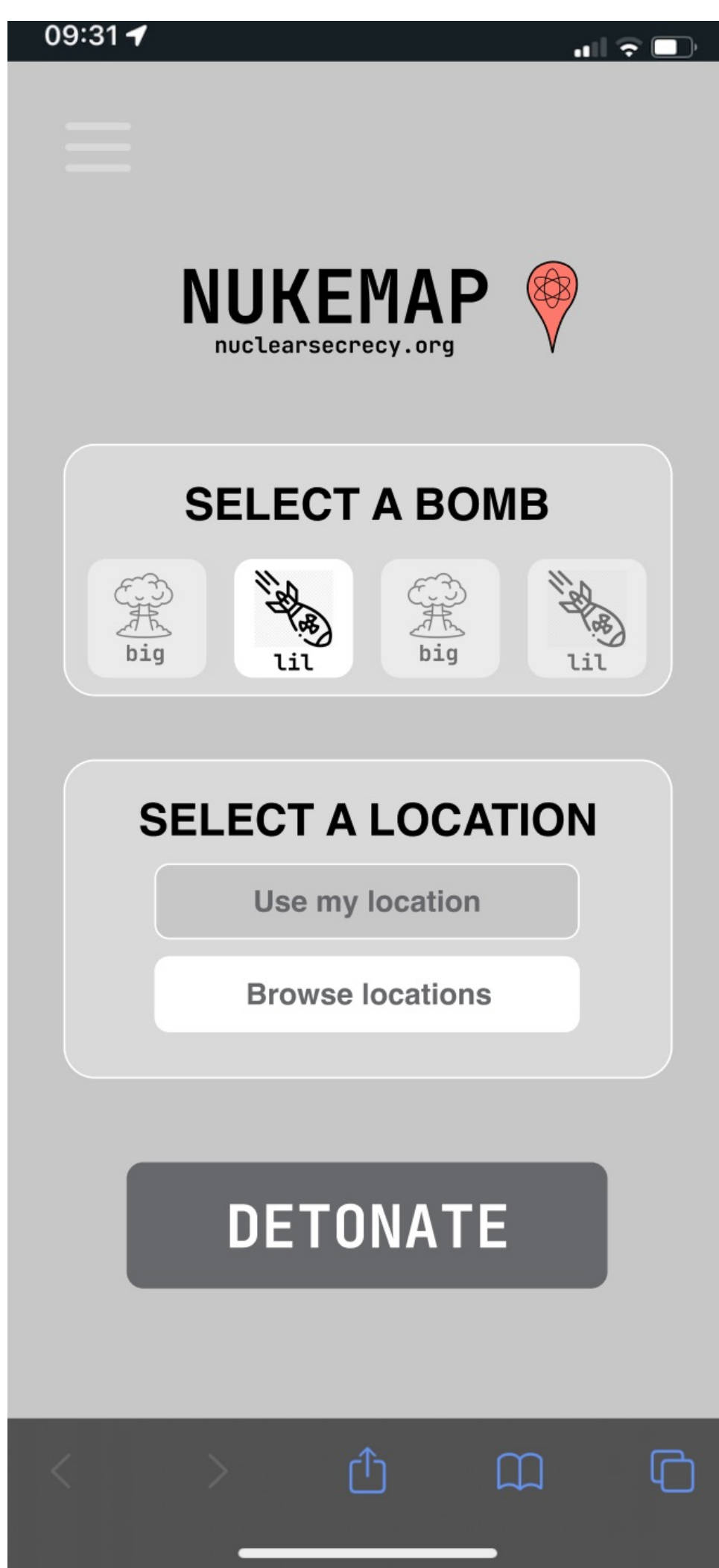
Locks and unlocks the person to the center of the screen so the map can be manipulated in the background.



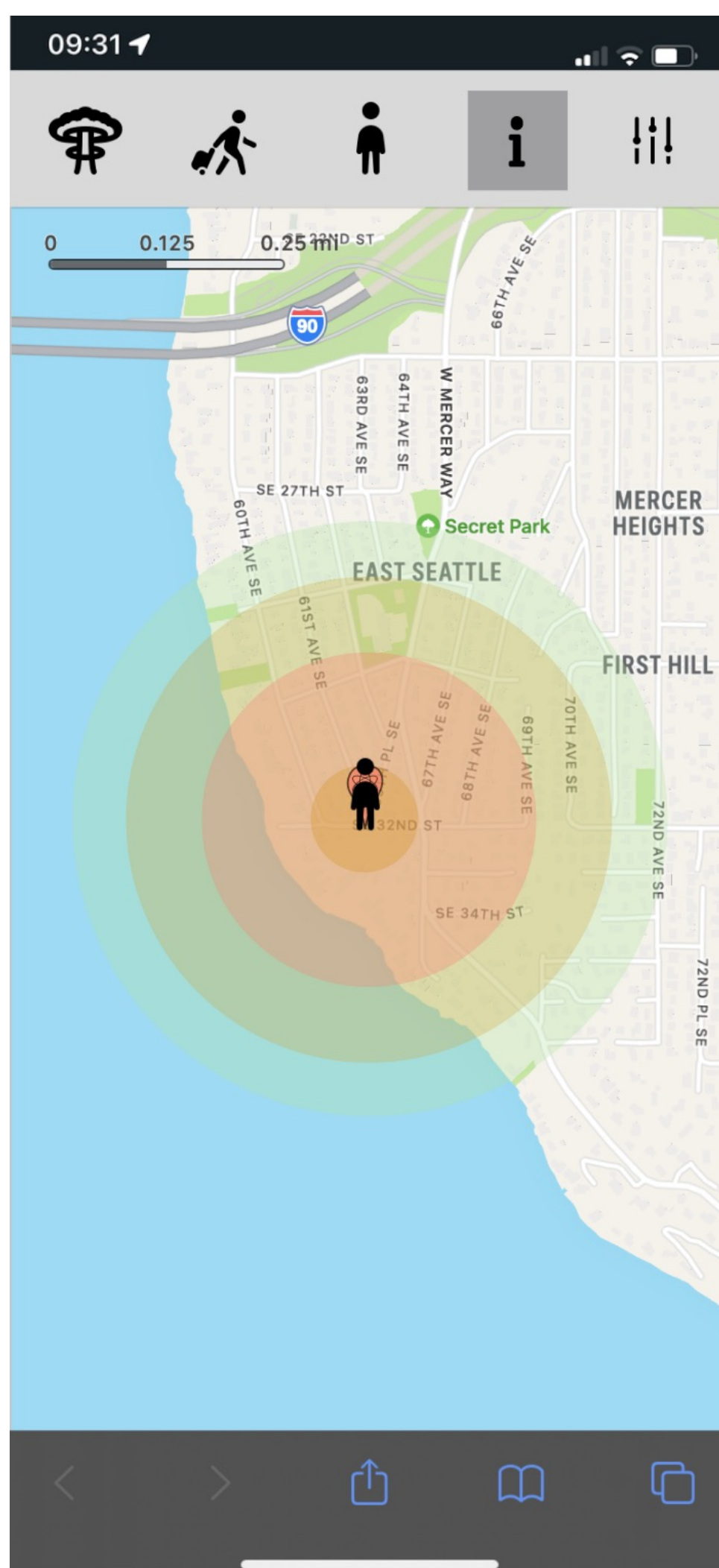
Displays the effects of the bomb, using the same core algorithm.



Opens advanced settings: generating permalinks, accessing FAQs or switching to research mode.

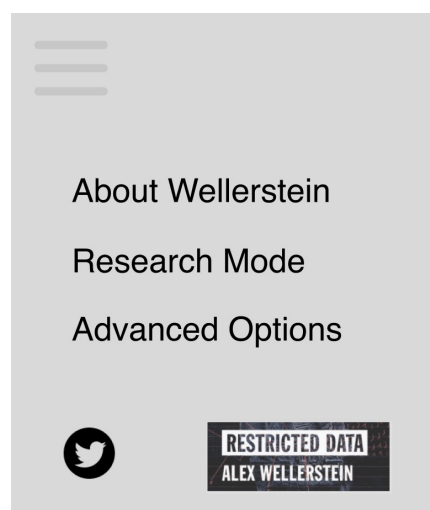


HOME

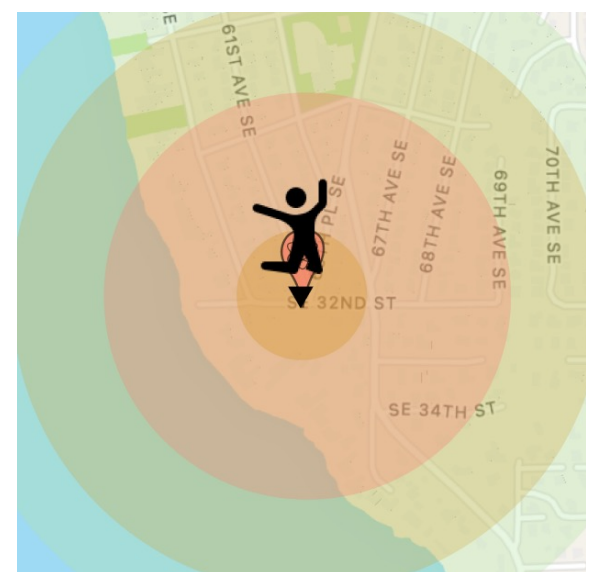


DETONATION EFFECTS

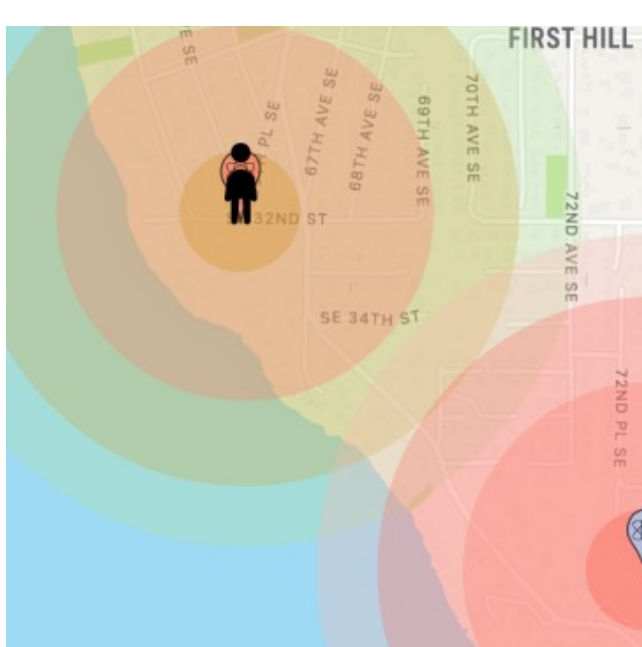
Example Overlays



FAQs & Extra info



Change locations



Layer detonations

Conclusion

Summary of Improvements Completed:

- Isolated adjustment icons to the top bar
- One click to navigate from Home to Detonations

Continued Improvements:

- Personalized NUKEMAP icons for the top adjustment bar

Improving the intuitive flow of the app and decreasing interactions makes this app more accessible to the casual user on mobile.