

# MPN Wizard

Amy Friedman, Aaqib Habib, Hana Habib,  
Ishtyaq Habib

# Overview

# How it works

## Implementation:

- Web app through which developers answer questions to generate a custom MPN
- Outputs styled HTML for developers to add to their company's website

## System Requirements:

- [Yarn Package Manager](#)
- [node.js 5+](#)

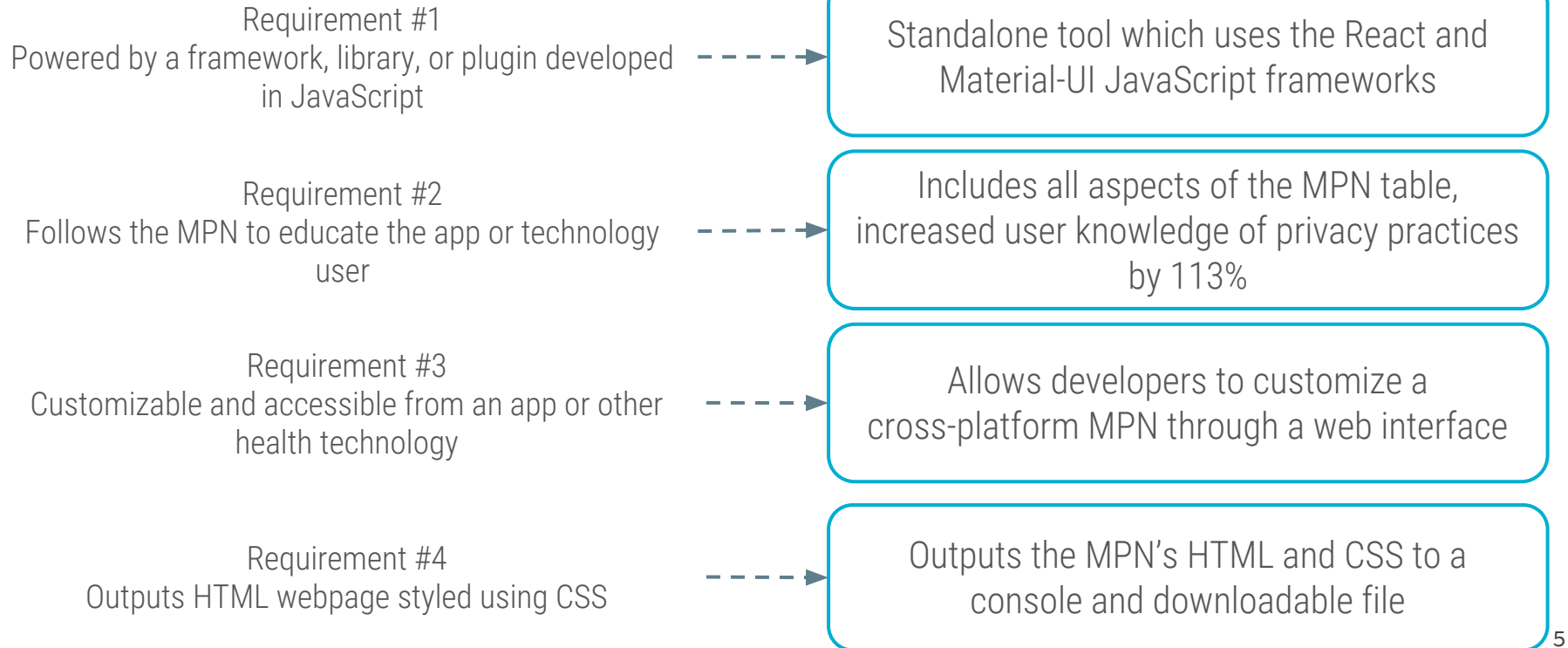
## Frameworks Used:

- [React](#)
- [Material-UI](#)

# Starting the App

- 1) Clone the app's GitHub repository or download a zip file containing the source code
- 2) Run the following commands:
  - `cd [app-directory]`
  - `yarn install` (only when running the app for the first time to download dependencies)
  - `npm start` (to start the app)
- 3) Access the app interface through the browser at `localhost:3001`

# How it meets requirements



# Design Process & User Testing

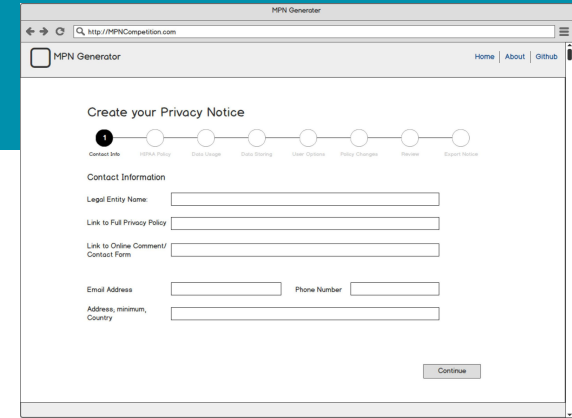
# Generator Tool Design Process

## Research:

- 1) **Pattern study** was created to understand the current market patterns of 10 different generator tools and long form surveys
- 2) **Personas** were developed to understand the user base and the different mindsets of developers
- 3) **Workflow** was drawn to designate how the process would connect users to the export from start to finish

## Ideation/User Testing:

- 1) **Sketches** - Sketches of the tool were drawn based on the research to inform the needed elements to create a successful generator tool
- 2) **Wireframes** - Low-fidelity wireframes were created using Balsamiq.
- 3) **Prototype/Initial User Test** - A prototype was created and tested on 4 different developers. Their feedback included:
  - a) **Stepper Indicator** - All users appreciated the stepper indicator to know where they were in the process
  - b) **Question Wording** - There was confusion around 'you' and 'we' in the questions
  - c) **Expectations of the generator while editing and desire to have more instructions through the process**
- 4) **Redesign** - Informed by the Initial user test the language of the tool was changed and a second column with Instructions/Helpful Tips was added to each Generator Step
- 5) **Lab User Test** - See next slide
- 6) **Final Design**



Wireframe from Prototype

# Generator Tool Usability Test

**User Test:** In-person lab test with five web developers of different skill levels

## **Task:**

- 1) Run the MPN Wizard
- 2) Generate a MPN (inputs provided on a separate sheet to create a valid MPN)
- 3) Add the MPN to a test website
- 4) Change the title color in the MPN to ensure clarity of CSS

## **Findings:**

- On average, it took 14 minutes to generate a MPN (after installation of dependencies)
- Participant comment: "It felt very easy...it felt like a Google form."
- Revealed confusion with presentation of some questions and help text
- Provided input for the GitHub ReadMe



# MPN Notice Design Process

## Research:

- 1) **Pattern study** was created to understand the current market patterns of 10 different privacy policies, these included: Facebook, Fitbit, Jawbone, LinkedIn
- 2) **Personas** were developed to understand the different types of health technology users to understand their mindset of hierarchy

## Ideation/User Testing:

- 1) **Sketches**- Sketches of the notice were drawn based on the research to create a successful privacy notice
- 2) **Mocks** - High-fidelity mocks were created using Sketch designing different options which varied between utilizing a table, using boxes, and adding visual elements for differentiation
- 3) **User Survey**- See next slide
- 4) **Final Design** - Based on the feedback from the survey, the final design was chosen and implemented into the generator

# MPN Comprehension Test

## User Test:

- Created mock MPNs using Fitbit's privacy policy to test four candidate designs
- Ran a [Mechanical Turk](#) survey to test comprehension of Fitbit's privacy practices
- Each design was shown to approximately 50 participants (50 were shown no MPN)

## Findings:

- 84% of participants found the selected design to be helpful or very helpful
- Compared to control, the selected design increased knowledge of practices by 113%
- Participant comments:
  - "I do like how everything is broke up and not just in one long paragraph. The colors are appealing as well...not too bright and not boring."
  - "It was very well organized and clear. Easy to understand."