

(1) **goalsPart 1:** In 300 words (only!) describe your website (We will stop reading at 300 words, so please be concise). Include the following:

- What is the purpose of your website?
  - An informational tool to document and illustrate the pain points of different stakeholders in medical research progress.
- What information do you convey with your website?
  - Pain points of different stakeholders in different steps of the medical research progress.
- How is it interesting and engaging?
  - By integrating animation with information disclosure, people can go through different stages of the research process and get clarified with the pain points of different stakeholders in an interactive and clear way. The page layout reacts to the screen size and dynamically fits for different ways of viewing.
- Who is the target audience?
  - Designers who are not familiar with the medical research process and try to create potential products for them.

(2) **Part 2:** Use a bulleted list to describe how a user would interact with your website. For each item in your list, state

- the interaction type you implemented
  - Scrolling animation on the timeline progress bar / click the dots / hit up or down button on keyboard to go to the next/previous phase
  - Update & change of painpoint contents in each stakeholder after each scroll/click/hit the button
  - Screen layout change according to the width (threshold ~ 960 px)
- how we should reproduce it (e.g., click on X on page Y, or scroll on page X, etc.)
  - Scroll for different stages of pain points in medical research on index.
  - click the icon of different stakeholders to get clarification
  - click back to return to the index

(3) **Part 3:** Describe what external tool you used (JavaScript library, Web API, animations, or other). Following the bulleted list format below, reply to each of the prompts. (We will stop reading at the 4th sentence, so please be concise)

- Name of tool
  - JQuery GSAP
- Why you chose to use it? (2-4 sentences max)
  - Because it allows me to get access to the elements in html and modify/animate them in a much more efficient and diverse way.
- How you used it? (2-4 sentences max)
  - I used it mainly for realizing some of the scrolling animations and transitions and data management.
- What does it add to your website? (2-4 sentences max)
  - It adds interactivity to my website.

- (4) **Part 4:** Describe how you iterated on your prototypes, if at all, including any changes you made to your original design while you were implementing your website. (4-8 sentences max)
- I firstly started off by designing the prototypes in figma and imagined the way these pages are executed. Then I got feedback from the group meetings and made revisions(i.e. consider accessibility and feedforward). I actively searched for what libraries could allow me to do so.After auditing multiple interesting examples, I narrowed down to JQuery.
- (5) **Part 5:** What challenges did you experience in implementing your website? (2-4 sentences max)
- It was particularly hard to implement reactive layouts together with some of the animations. Because they need to be consistent in both ways of rendering and realized by some brand new library methods that I just learnt about. I get to be critical about where to use root units (rem, px) and where to use relative units, such as (vw, vh, %). Overall it was a good learning experience.
- (6) Submit your write-up with proper grammar, presentation, style, etc.
- (7) Upload this write-up as PDF to GitHub.