

# PUI Assignment 8 Write-Up

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Name: Peng Zheng

Andrew ID: pzheng2

Website link: [Design Podcasts](#)

## Part 1 Describe my website

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### What is the purpose of my website?

The goal of the website is to provide design and development related podcast to the user.

### What information do I convey with my website?

- Curated podcasts
- Apps could be used to subscribe to each podcast
- Hosts of each podcast and their Twitter
- The community of the podcast (if applicable)
- Name, category, introduction, cover artwork of the podcast
- Featured episodes

### How is it interesting and engaging?

- Clean, light, minimalist design and communication
- Content first
- Users could listen to the sample episode directly on the

### Who is the target audience?

- Design majored students

- Design and code lover

## Part 2: How a user would interact with the website

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- At the homepage, Browse the podcasts on the homepage. The podcast covers will slide up from transparent. You just need to scroll down at a normal speed (the animation is set to be activated only one time, so it's not distracting).
- At the homepage, the toggle is for showing different categories of content. Press the category you want to see.
- At homepage and podcast detail page, When a mouse hovers on a podcast cover, it will be pressed down and the box shadow will disappear. You just need to hover on a cover image.
- At podcast detail page, when mouse hovers on the podcast apps, hosts, or communities, the hovered item will be highlighted.

## Part 3: The external tool I used (JavaScript library, Web API, animations, or other).

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- [Handlebars.js](#)
  - Used to make HTML templates, since podcast details pages have similar page layout.
  - I linked the script into my HTML, create HTML template, and insert them into the tags they should be.
  - It produced the main content of the website.
- [ScrollReveal.js](#)
  - Used to create reveal effect by scrolling.
  - I added the script to HTML and used correspondent functions to activate them. I also tuned the revealing animation carefully to make sure it's

smooth and subtle.

- The reveal effect on the homepage.
- [JSONbin.io](#)
  - I want to keep a **separation of concern** strategy. So I need to manage my content independently instead of continuing to modify my HTML.
  - I stored my content into a JSON file and used JSONbin.io to host [the API](#).
  - It saved my time to deploy the content. Now I could manage them separately by changing the source of data.
- CSS hover transition
  - I used the CSS transition property to make the interactive animation for podcast covers.
- Bootstrap
  - To make the website responsive.

## Part 4: How I iterated on my HW7 mockups.

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- I updated the grid to adopt a better layout.
- I changed the filtering feature into a switch toggle so users could have a more concise and simple model of the site.
- I canceled the about page since the website should be able to speak for itself. An extra description is redundant.
- I moved the contact info to the footer. So a user could find my Twitter through the link.

## Part 5: Challenges I experienced in implementing my website.

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- Podcasts API is a huge rathole. There are so many audio resources and services, but many of them are too expensive and designed for industrial use.

For example, Spotify and SoundCloud APIs require a monthly paid premium account.

- I need a better way to manage my content. For the curated podcasts I manually searched the information and put them into the JSON file. I guess I need to learn more about back-end and database if I want to import more data in the future.