

# RAPPORT

Datum: 2020-05-24

Kurs: Frontend Project

Klass: FEND19

Student: Shan Mi

1. Online-version:

<https://shanmi.se/wizarland/>

2. Github Link:

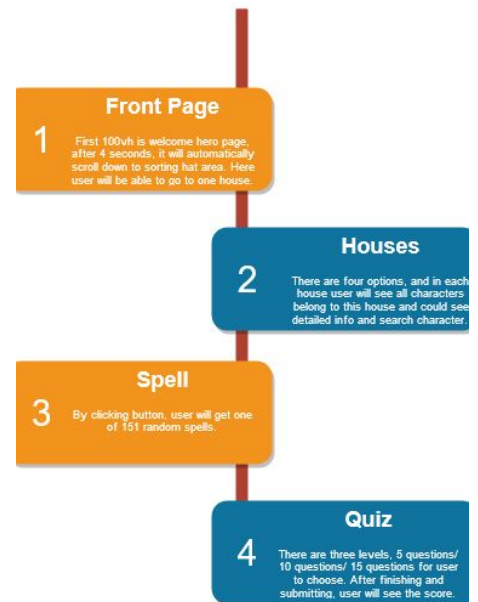
<https://github.com/Shan-Mi/Harry-Potter-WizardWorld>

## Introduction

This is the second part of this course, and I chose to build a website with the data from one Harry Potter API. Because there is no need to store user's data, there is no back-end database needed, pure front-end (HTML/CSS/JavaScript) tools are used.

## Purpose

This is a website for Harry Potter series film's fans, here they can see all characters from that API, and detailed information from one specific character. There are two extra pages - one spell page there user can get a random spell from that API, and on the other page user will be able to do quiz with three level-options.



## Mock-up

Figma was used to do the desktop version design, and in practice I did several changes to increase interaction with user in terms of more animation.

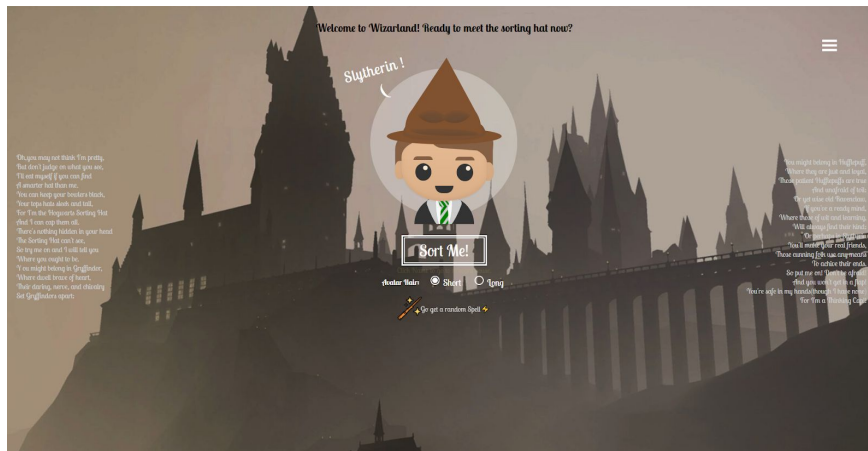
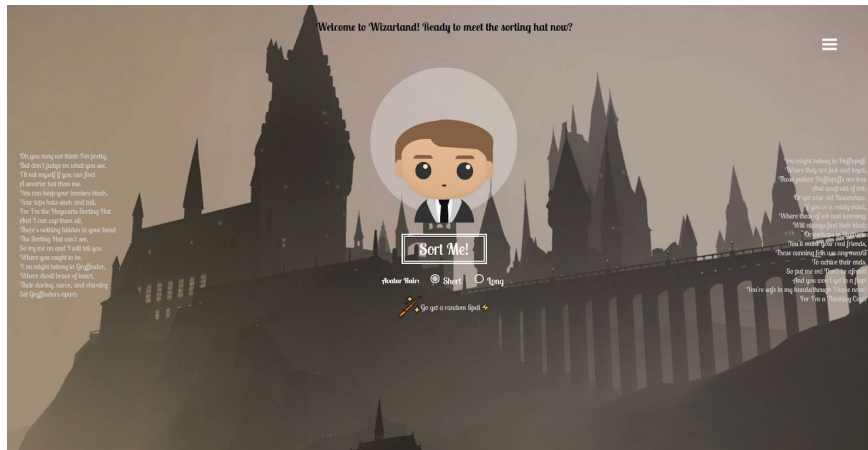
## Final Version

There are *four* parts:

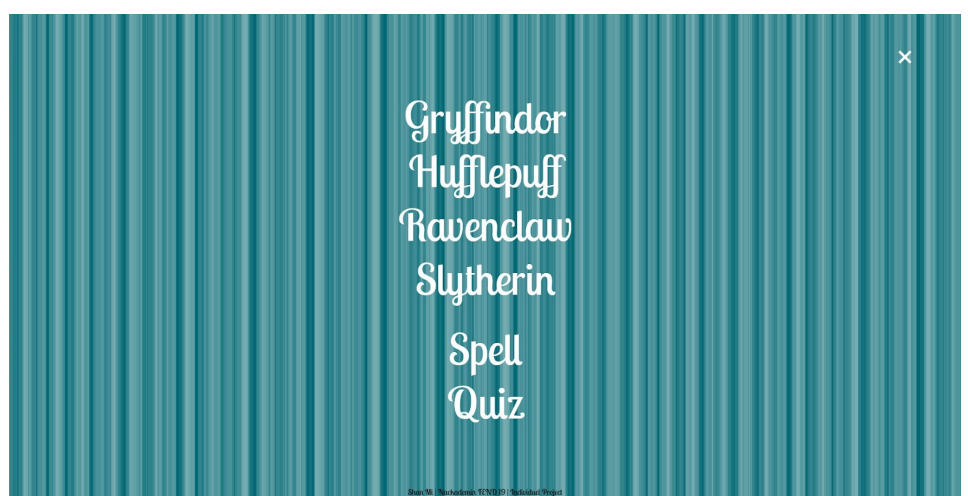
- 1) Front-page: the first 100vh is big hero, and the second 100vh is the sorting hat area. I used `.scrollIntoView({scroll-behavior: smooth;})` and `setTimeout 4 seconds` to automatically scroll page down. Sorting hat is drawn by pure CSS with animation.



After clicking avatar, sorting process begins. After 4 seconds, user will see the house's name, and they can go to relevant house by clicking that name.



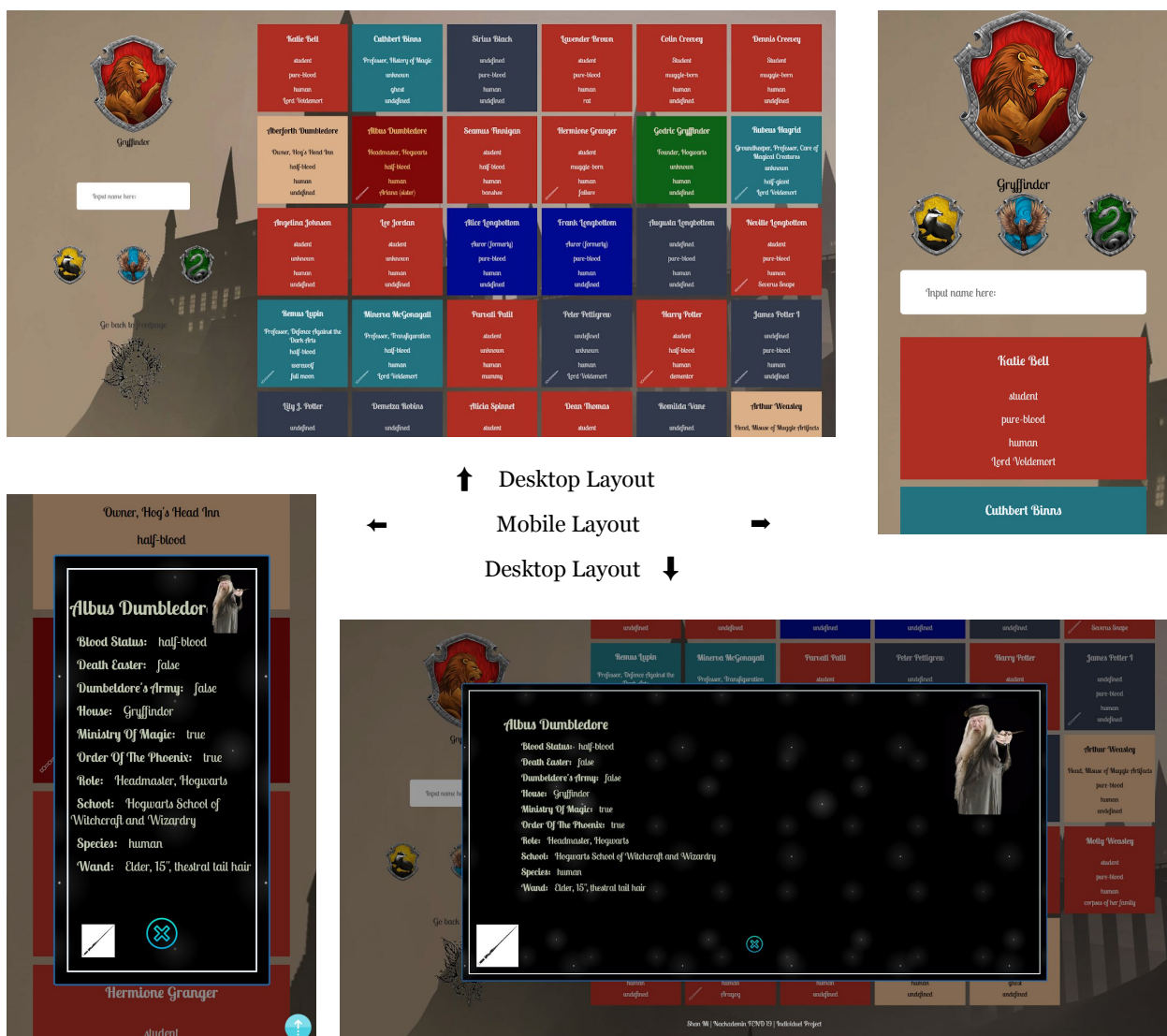
Menu is set in fixed position, once clicked it will open a div which takes the whole view port and *multiple linear-gradient* is used to draw background-image for this div.



## 2) Four Houses:

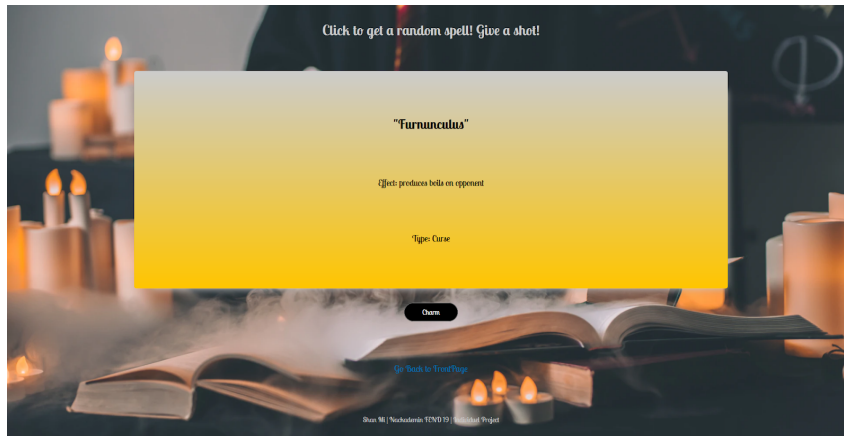
When user come to each house, characters' name and some other basic information will be listed and drawn in small cards by fetching data from API. If character has a wand, a wand is added on the left bottom corner as an indicator. Each card is clickable, and once clicked a module is opened and an overlay div as a darker background is also triggered. On that module card, user will see character's detailed information, image and a image of his/her wand (if he/she has one listed in API). By clicking close button or overlay area, user can close this module easily.

*Async()* and *await* are used when I fetch data from API. User can search characters who belong to this house by inputting name. "*KeyUp*" as an eventlistener is used here, and all fetched data is stored in an array, so we don't need to fetch data multiple times. User can click the other three small badges to jump to other houses. They can also go back to front page by clicking "love-potion" svg.

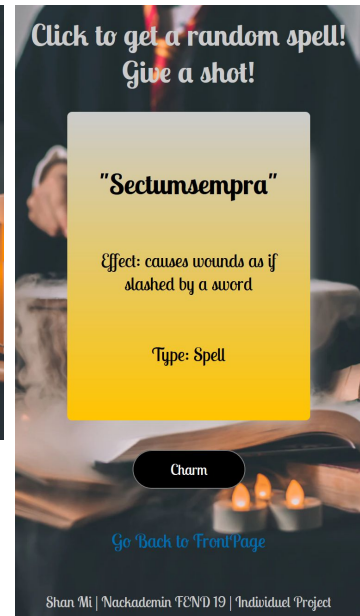


### 3) Spell Page:

On this page, I fetch one random spell once user click button. This is a simple page.



Desktop Layout

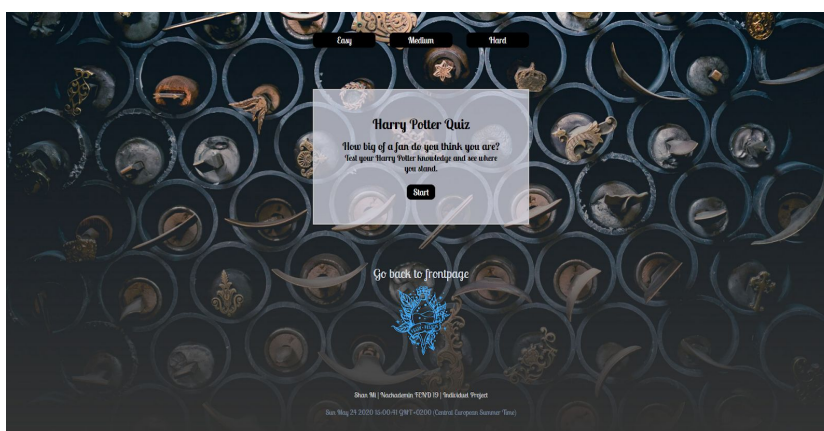


Mobile Layout ➡

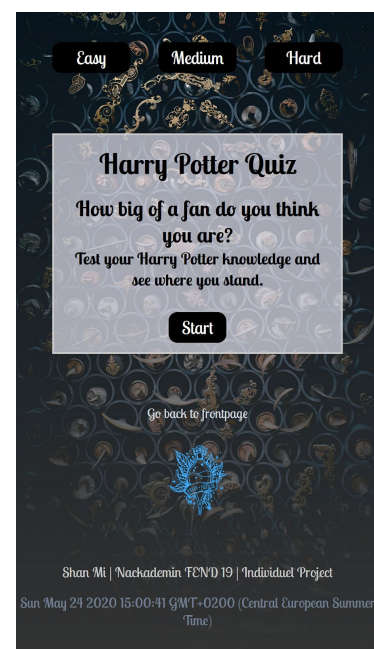
### 4) Quiz Page

There are three different levels - easy/medium/hard - once clicked, the quiz is triggered. Easy mode has 5 question, medium has 10 question, and hard has 15 questions. If user click "Start", easy mode will be chosen as default.

After each round, if user picks the correct answer, the score will increase, number of question will also increase. Once all questions finished, user will see a final score.



Desktop Version



Mobile Version ➡

### What has been learned:

- 1) How to change svg's color  
(Some tool can generate similar color effect with filter property.)
  - 2) How to make animation, more practice with pseudu-elements and implementation of transition
  - 3) How to implement multiple linear-gradient
  - 4) Use ES7 syntax *Async*, *await* to write better readable promise.
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### Links:

1. Figma Mock-up:  
<https://www.figma.com/file/Aw0kz9EIwO3sLLlBpNGe2P/Harry-Potter?node-id=1%3A2>
2. Online-version:  
<https://shanmi.se/wizarland/>
3. Github Link:  
<https://github.com/Shan-Mi/Harry-Potter-WizardWorld>

### References:

1. Harry Potter API  
<https://www.potterapi.com/>
2. Harry Potter Wiki  
[https://harrypotter.fandom.com/wiki/Main\\_Page](https://harrypotter.fandom.com/wiki/Main_Page)
3. Quiz Questions source  
<https://www.manchestereveningnews.co.uk/whats-on/whats-on-news/40-harry-potter-quiz-questions-18172255>