iOS Engineer Take-Home

OPTION 1

Create an application to show "**Art Gallery**" using API from 🖼️Documentation | Art Institute of Chicago API

User Stories:

1. As a user i want to see the list of Artwork
2. As a user i want to be able to search an Artwork
3. As a user i want to be able to filter the Artwork based on the year
4. As a user when i pick an Artwork, i want to see the detail of the Artwork in detailed screen
5. As a user when i'm in the detail page, i want to see the other Artwork from that **artist** if there any
6. As a user when i'm in the detail page, i want to see the Artwork Fullscreen, and i want to be able to download it to my gallery
7. Implement Clean Code and Good Structure
8. Cover Positive and also Negative cases

OPTION 2

Create an application to show "**Harry Potter Wiki**" using API from ⚡ REST API - Potter DB: Docs

User Stories:

1. As a user i want to see today's recommendation (Book, Movies, or anything)
2. As a user i want to see Menu that can go to **"Book", "Character", "Movies", "Potions", "Spells"**
3. As a user when i pick one of the Menu above, i want to see full list of it's content, it must have an image if there's any
4. As a user when i pick "**Book**" menu, and pick a book from the list, i want to be able to see the list of the chapters (Title & Summary) and the book detail
5. As a user when i pick "**Character**" menu, i want to be able to sort the character based on it's name

6. As a user when i pick the rest of the menu, and choose something, i want to see the detailed info about the item that i choose

7. Implement Clean Code and Good Structure

8. Cover Positive and also Negative cases

RULES

1. Must be written in iOS(Swift).

2. Choose any design pattern that you know.

3. Use the latest technology/framework.

4. You can use any 3rd party library.

5. Make sure your code quality before you submit

Interview Guideline

- Intro (5min)
  - Names
  - Background
  - Applying for
  - Skills
- App Review / Code Review (20-30 minutes) (Live Code or Live Challenge)
- Question from interviewers about iOS Foundation / Flow / Technicality / from CV (10min)
- Feedback (10min)
  - Quality of presentation
  - Quality of work
  - Recommendation for improvement
- Questions from learners (5min)