

Task March 2023

Motivation

As part of BIGVU apps, we provide video courses, to make sure our users can learn how to use BIGVU's main features like a pro.

Your take home task is to create a simplified version of the courses feature.

Create a web project that fetch BIGVU's Courses and shows them in a list.

Design

<https://www.figma.com/file/5qzynxJzovuMkix9fmRpJp/iOS-courses-task?node-id=0-1>

API Documentation

Use Basic authentication to perform the API calls with:

- username: bigvu
- password: interview

Endpoints:

- Course list: <https://interviews.bigvu.tv/course/list>
- Course: <https://interviews.bigvu.tv/course/{{id}}> (id is the course id)

you **should not** copy the responses into your project files

Definitions

- Finishing watching a chapter - watching at least 10 seconds from it
- Video playing position - the position a user stops to watch the video. should be between: $0 \leq x < \text{video duration}$. In case that the user watched the entire video, it should be 0.
- Storing locally - the data will be saved on the users computer

Functionality

- Fetch the course list and present it in a list (see design and API docs above).
- Clicking on an item in the courses list will move to specific course screen.
- Fetch specific course by id, show the course chapters in a list
- The video playing position of a chapter should be stored locally, so when the user returns to the course screen, the player will auto play the chapter from the last playing position.
- The video player should auto play a video (first in chapter list or the last playing chapter) immediately when the screen appears (no user click required)
- When a user finished watching a chapter, the chapter will be marked as finished and appropriate icon will appear in the chapters list.
- When a user finished watching all the chapters, the course will be marked as finished and appropriate icon will appear on the course list screen.
- User can navigate between chapters by clicking on them.

- When a chapter ends the next chapter should start to play automatically until the user reach the last chapter.
- The browser back button will take back to the course list

Notes

- you can use any framework/libraries and software language for the task.
- if you have any async task, show a spinner
- use Inter font
- We will test the website using a mobile and desktop devices.
- You can use any video player that fits the requirements.
- auto play with sound is not allowed without the user interaction, don't waste your time on it
- Figma sign up is required in order to inspect design components

Bonus

- Develop a Node.js server to host your application. Compress your files with gzip and serve them through your server.
- Wrap your application using Docker container, so that the server starts automatically when the container is launched. Please provide step-by-step instructions on how to run your container and access your website on localhost.