My JavaScript Library: JSlide

I would like to develop a vanilla JavaScript front-end library called "**JSlide**", which helps to play slides (for example, course slides) on the webpage, slides can be played automatically with some animations or manually like PowerPoint. With this library, the user can play slides online instead of downloading it and read it locally, they can choose to play slides manually, so they switch slides by clicking the slide, or they can play it automatically like watching a video, they can choose different playing speed and different animations (like horizontal transition, horizontal scrolling, vertical transition, vertical scrolling, fading), and pause automatic transition by hovering. For developers, if they want to design a box for playing slides with any possible area, they can import this library to support playing slides in their box. There is no universal way to design many aspects in slides playing, for example, slides animation. With this library, when a developer needs to realize the similar functionality, they do not have to spend lots of time on designing slides playing algorithm and write their own code. For example, the way to realize fading can be entirely different from scrolling. My library can be different from others because it supports many animations, playing speed and automatically playing for slides. For instance, more and more instructors choose to post slides and notes online, but most lecture slides posted online can only be switched by scrolled or clicked manually in the browser. With this library, slides can be played online exactly like PowerPoints developed by Microsoft.

As discussed above, developers can design a box for showing slides like PowerPoint as more and more webpages today requiring demonstrating information (for example, advertisement, course slides). And here are three examples for applications in web APP, and how it is useful for both developers and users. Firstly, this library can be used in education website. As I listed above, many slides today are played in a very dull and inconvenient way. With this library, developers can easily develop a tool for playing lecture slides in an educational web APP, and students can read slides like watch videos. Secondly, more and more advertisers choose to show ads on a webpage. With this library, developers can design a small window for playing adds in a webpage fixed on that page. Finally, for image sharing website like Pinterest, developers can design windows and boxes on the webpage to show images, and users can read images with different ways.

Here are some examples for slide showing: