

# @Channel Project summary

## what the DApp is and what it does?

The DApp is named @Channel and is developed upon the seed App: Decentralized platform for video publishing (Dvideo). The seed DApp is a website which allow users to upload their videos and it lists all videos users have uploaded on the website, so user can easily switch between them. I improved the DApp by adding following modifications:

1. **User interface improvement:** Dvideo is using simple react-bootstrap for styling. Instead, I choose to use the second most popular react framework: Ant Design, as my React UI libraries. By using Layout component in Ant design, it separates the webpage into header, sider, content and footer, positioning of each component within the webpage is much easier than before. I change the logo and name of the application, redesign the sider menu to tab panel and animate the uploading video process. The user interface now looks more user-friendly and smoother.
2. **Rate of the video:** Rate is a major function I add to Dvideo. It needs both changes to the solidity contract and front-end UI. Every newly uploaded video has its rate and it starts with 5 empty stars. Every user can rate the video and the rate of the video will be calculated by the average of users' rate, updated and shown below the title of the corresponding video. Switching between the videos using the sider will also update the current showing rate to the rate of the current showing video.
3. **Comment of the video:** Comment is another major function I add to Dvideo. It also requires both changes to the solidity contract and front-end UI. Just like the common comment function, the users can post comments the uploaded videos. Every comment shows the content and displays the avatar and the name of the user as well. Similar to the rate, switching between the videos using the sider will also update the current showing comments to the comments of the current showing video.

**GitHub source of the seed DApp:** <https://github.com/dappuniversity/dvideo>

## Why it is relevant? (why it is interesting?)

The DApp is interesting because just like a simple YouTube or any other video sharing websites, it is a very practical and simple way for people to share their creative works and watch the recorded videos from others. Although the functions of the DApp is still simple, it is truly a new way to share and watch videos. The one obvious advantage Decentralized platform for video publishing over centralized platform like YouTube is that the uploaded video cannot be removed by anyone. YouTube has its own centralized server, so it can remove or modify any videos that is posted on the server theoretically. Since the DApp is decentralized, no one can modify the posted videos. This is the fresh experience for me to truly build a decentralized application by myself, and I believe the decentralized applications will be populated and matured one day in the future.