Chrome-based rendering

Abstract

Build a client-server media player. Where you will set a local server that will decide what should get played over the browser, the frontend client-side will implement and maintain its own state that the client will update after it finishes displaying the content of the current loop.
The media will only contain images and videos.
- First try to display images in loop and then move to images and video.

Description

- Set up a local server: (Name Eve)
    - Preferably use Node for setting local server Eve
    - Read playlist.json (Eve should solely depend on the playlist.json for the state)
    - Download the assets (images and videos) read in playlist.json
    - Set up communication between the front end and the back end.
        - Example APIs (Just an example)
            - GET /playlist.json
            - GET /resource/{creativeid} (for image or video)
- Front end: (Name Adam)
    - Preferably use front-end framework like React/Vue/Ember for Adam. (Adam is a single page application)
    - Communicate to the local server Eve through the APIs built
    - Play the media (image or video) dictated by the local server Eve.
    - After Adam finishes displaying all the content, Adam may ask Eve for the content to display in the next loop.

In short its a Node-React app that will display media (images and video) in the loop in the browser. *Assuming you choose Node for Eve and React for Adam.*

Basic Requirements
- A setup guide (setup.sh would be even better)
- Working code (Browser can show images)

Good To have

- It can play videos too.

Time: 3 days from the time you received this mail.

Expected effort in the mini test: 6 hrs

Playlist.json

```json
{
    "playlist":[
        {
            "advertiser_id":0,
            "creative_id":1,
            "duration":20,
            "file":{
                "asset_name":"black.png",

 "src":"https://embereon-image-source.s3.ap-south-1.amazonaws.com/black.png"
,
                "timestamp":1577186532444,
                "type":"image"
            }
        },
        {
            "advertiser_id":0,
            "creative_id":2,
            "duration":20,
            "file":{
                "asset_name":"red.png",

 "src":"https://embereon-image-source.s3.ap-south-1.amazonaws.com/red.png",
                "timestamp":1577146532444,
                "type":"image"
            }
        },
        {
            "advertiser_id":0,
            "creative_id":3,
            "duration":9,
            "file":{
                "asset_name":"testvideo10.mp4",

 "src":"https://embereon-image-source.s3.ap-south-1.amazonaws.com/testvideo1
0.mp4",
```

```
            "timestamp":1577146532999,
            "type":"video"
        }
    }
]
}
```

*Duration is in seconds.