DAOstruct

Frontend Developer problem statement

Data Endpoint :
https://api.nasa.gov/planetary/apod?api_key=gaff4Pwpu0Qg6woyFty1YhVRxhj4In1Imv
OCyFD7&start_date=2022-10-01&end_date=2022-10-29&thumbs=true
(use this in your browser itself to see results, requires no auth)

Sample Response :
{
        "copyright": "Nick Pavelchak",
        "date": "2013-01-22",
        "explanation": "The North America nebula on the sky can do what the North America
continent on Earth cannot -- form stars. Specifically, in analogy to the Earth-confined
continent, the bright part that appears as Central America and Mexico is actually a hot bed of
gas, dust, and newly formed stars known as the Cygnus Wall. The above image shows the
star forming wall lit and eroded by bright young stars, and partly hidden by the dark dust they
have created. The part of the North America nebula (NGC 7000) shown spans about 15
light years and lies about 1,500 light years away toward the constellation of the Swan
(Cygnus).",
        "hdurl": "https://apod.nasa.gov/apod/image/1301/cygnuswall_pavelchak_1600.jpg",
        "media_type": "image",
        "service_version": "v1",
        "title": "The Cygnus Wall of Star Formation",
        "url": "https://apod.nasa.gov/apod/image/1301/cygnuswall_pavelchak_960.jpg"
}

Submission Requirements :
- You must create a webapp with the specific instructions as detailed in *Specifics*
  section below
- The app must be deployed by you (vercel, s3, etc), and a link to the app shared with
  us
- Code must be pushed to a dedicated public github repo and the link shared with us.
  You are free to include this in your own github profiles later.
- The API for fetching data is specified above.
    - Use the `start_date` and `end_date` parameters in request API to fetch more
      results, and trim results as per your need. Format is YYYY-MM-DD
    - Use the `media_type` parameter to differentiate between `image` and
      `video` results.
    - Videos will have an additional parameter in the response payload called
      `thumbnail_url` which should be used for showing the thumbnail image
- You are free to use any open-source libraries/SDKs to help you build this app. All
  libraries/SDKs should be mentioned in a specific `attribution.txt` file in your GitHub
  repo

Specifics :

- Layout as per the attached image below
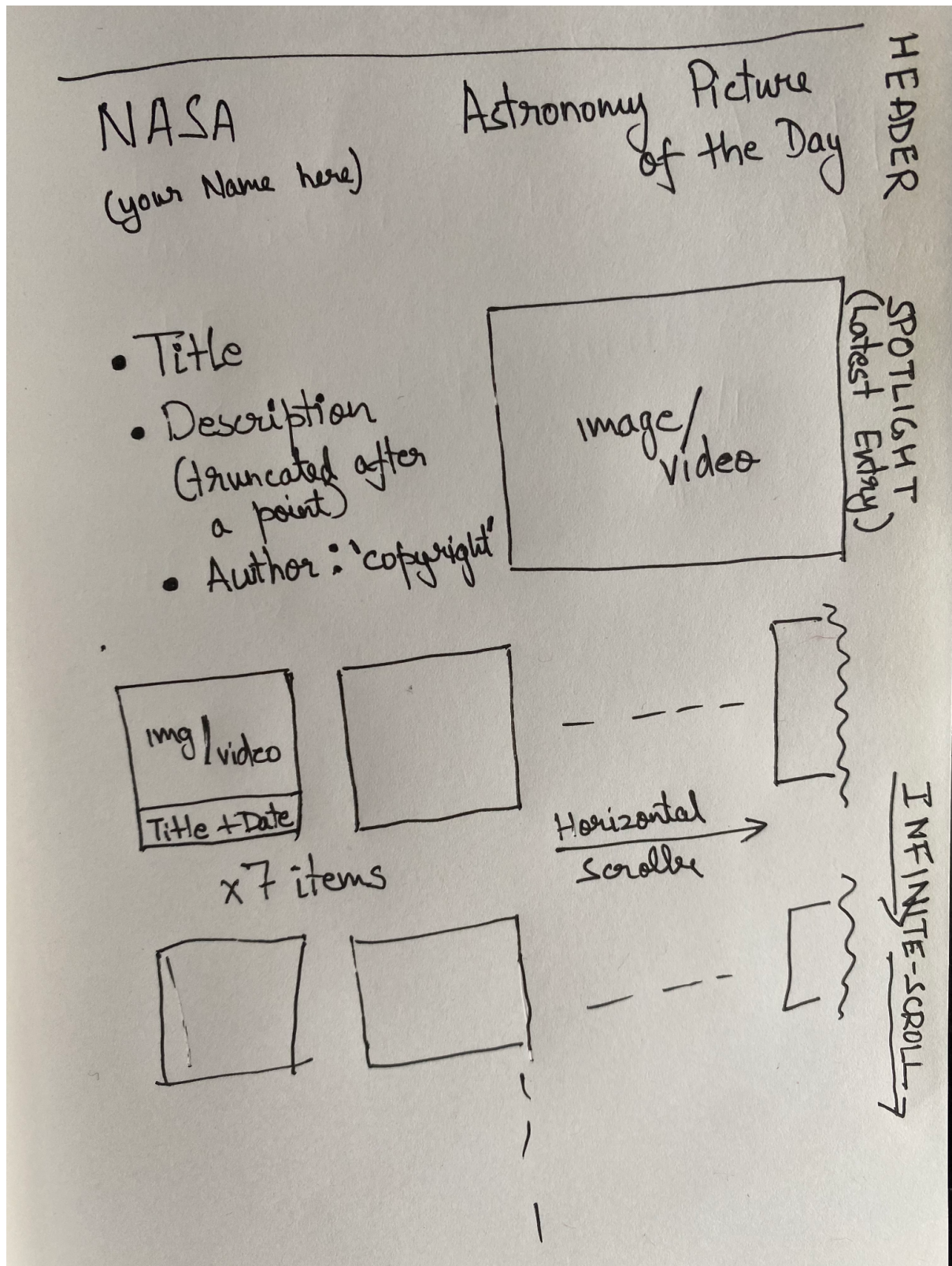
- The Header will contain the NASA logo (get from google) and your name left aligned. "Astronomy Picture of the Day" right aligned. This is not a sticky header
- Spotlight section will highlight the latest result from the API
    - Show Title (`title`)
    - Show Description (`explanation`)
    - Show Author (`copyright`)
    - Thumbnail will show a thumbnail of the image/video.
    - Clicking the thumbnail should show the media in a new overlay covering the whole screen. Use `url` here
- The section below spotlight will show the previous 7 items as per the design above
    - Each item will show a title, author, and date
    - Horizontal scroller with 7 items
    - Clicking an item should open a new overlay that shows the selected item like the spotlight section
- The next section will be same as the previous one, with 7 older items. You will be using the `start_date` and `end_date` parameters in your API requests to fetch paged results for these section
- The web-app will scroll infinitely, and make successive requests requests as the user scrolls

Criteria :
- Responsive layouts
- Loaders and shimmers
- Smooth interactions, transitions, and animations
- Colour and font schemes chosen by you

Bonus Points :
- Creativity, but not at the cost of functionality)
- Interactivity, such as, on-hover, on-scroll, on-open, on-close, etc
- Go crazy. Make it the best web-app you can think of