

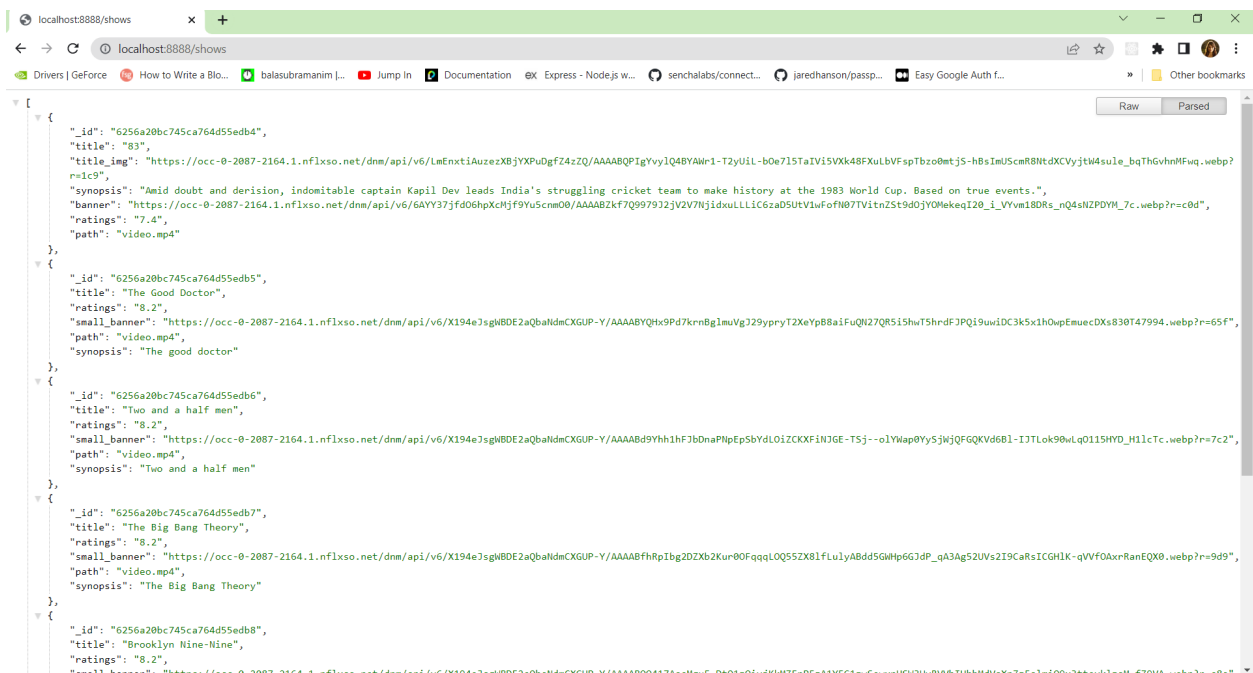
PROBLEM STATEMENT:

To create a backend for a video streaming application. It includes API's to do the following:

1. Fetch the list of movies from the database.
2. Get the details of a movie when clicked on it.
3. Stream the movie into chunks.

DESCRIPTION:

1. Fetch the list of movies from the database.
 - a. Input to the API : Nil
 - b. Output of API : List of shows / movies will be returned.



The screenshot shows a web browser window with the address bar at localhost:8888/shows. The page content is a JSON array of movie objects. The first object is for a movie titled "83", and the others are "The Good Doctor", "Two and a half men", "The Big Bang Theory", and "Brooklyn Nine-Nine". Each object contains fields for _id, title, title_img, synopsis, banner, ratings, path, and small_banner.

```
[{"_id": "6256a20bc745ca764d55edb4", "title": "83", "title_img": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/LmEnxtiAuez2XBjYXPu0gfZ4zZQ/AAAABQPIgYvYlQ4BYAw1-T2yUil-b0w715TaIVi5VXk48FXuLbVFspTbz0etjS-h8sImUScmR8MtdXCvyjtM4sule_bqTHGvhnMFuq.webp?r=lc9", "synopsis": "Amid doubt and derision, indomitable captain Kapil Dev leads India's struggling cricket team to make history at the 1983 World Cup. Based on true events.", "banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/6AYY37jfd0GhpKcHj9Yu5cmm0B/AAAABZkF7Q9979J2jV2V7HjidxuLLiC6za05UUV1wfofN07VitrZ5t9d0jY0MekeqI20_i_VVvm18DRs_nQ4nN2PDYH_7c.webp?r=c0d", "ratings": "7.4", "path": "video.mp4"}, {"_id": "6256a20bc745ca764d55edb5", "title": "The Good Doctor", "ratings": "8.2", "small_banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/X194e3sgW8DE2aQbaIdmCXGUP-Y/AAAABYQHx9Pd7krn8lmuVgJ29ypryT2XeYpB8aifFuQh27QR5i5hwT5hrdfJPQ19uwIDC3k5x1h0upEmuecDXs830T47994.webp?r=65f", "path": "video.mp4", "synopsis": "The good doctor"}, {"_id": "6256a20bc745ca764d55edb6", "title": "Two and a half men", "ratings": "8.2", "small_banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/X194e3sgW8DE2aQbaIdmCXGUP-Y/AAAABY9Yhh1hF7bDnaPnpEpSbYdL0iZCKXF1N3GE-T5j--oLYWap0YySjWjQFQKQVd6B1-IJTLok90wLq0115HYD_H1lcTc.webp?r=7c2", "path": "video.mp4", "synopsis": "Two and a half men"}, {"_id": "6256a20bc745ca764d55edb7", "title": "The Big Bang Theory", "ratings": "8.2", "small_banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/X194e3sgW8DE2aQbaIdmCXGUP-Y/AAAABFhRpIbg20Zxb2Kur90FqqQLQ055ZX81FluLyABd5GWhp6GJdP_qA3Ag52UvS2I9CaRsICGH1K-qVVF0AxxRanEQX0.webp?r=9d9", "path": "video.mp4", "synopsis": "The Big Bang Theory"}, {"_id": "6256a20bc745ca764d55edb8", "title": "Brooklyn Nine-Nine", "ratings": "8.2", "small_banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/X194e3sgW8DE2aQbaIdmCXGUP-Y/AAAAB00417AoaMeuF-Dt01z01v1KkKZEpS2AIYFG1zwSeoxnHSM3UvRVVbIubhMdVsXnZzFolmi09x3ttevklzoM-fZ9VA.webp?r=a8a"}]
```

2. Get the details of a movie when clicked on it.
 - a. Input to the API : movie id / show id
 - b. Output of API : Details of show / movie.

```
localhost:8888/shows/6256a20bc745ca764d55edb4
localhost:8888/shows/6256a20bc745ca764d55edb4

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{
  "show": {
    "_id": "6256a20bc745ca764d55edb4",
    "title": "83",
    "title_img": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/LmEnxtiAuezXBjYXPu0gFZ4zZQ/AAAABQPigVrylQ48YAWr1-TzyUil-b0e715TaIVi5VXk48FXuLbVFspTbzo0mtjS-hBsImUScmR8NtdXCvyjtW4sule_bqThGvhnMFwq.webp?r=ic9",
    "synopsis": "Amid doubt and derision, indomitable captain Kapil Dev leads India's struggling cricket team to make history at the 1983 World Cup. Based on true events.",
    "banner": "https://occ-0-2087-2164.1.nflxso.net/dnm/api/v6/6AYY37jfd06hpXcMjf9Yu5cmmD0/AAAABZkf7Q997912jV2V7HjdxuLLiC6zaD5Uv1wFofN07TVitnZ5t9d0jYOMeEqI20_i_VYvm18DRs_nQ4sNZPDYM_7c.webp?r=c0d",
    "ratings": "7.4",
    "path": "video.mp4"
  }
}
```

3. Stream the movie into chunks.
 - a. Input to the API : movie id / show id
 - b. Output of API : Video data is sent in chunks of 1 MB to the frontend.

