Module 2 – Schema Design and Data Modelling

Case Study - 2

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Business Requirement

You have been given various attributes of TV Shows. You Are Working For "TMDB" Which Stores All TV Shows. Data. Basically, Data Contains Its Name, Producer, Directory, Creation Date, Seasons, Episodes, Crew and Casts.

Documents will contain multiple nested documents.

- TV Show
- Seasons (Many)
- Episodes (Many)
- Reviews (Many)
- Cast and Crew (Many)

Each show has many seasons, each season has many episodes, and each episode has many reviews and many cast members. When users come into this site, typically they go directly to the page for a particular TV show. On that page, they see all the seasons and all the episodes and all the reviews and all the cast members from that show, all on one page. So from the application perspective, when the user visits a page, we want to retrieve all of the information connected to that TV show.

You must model the above data in Mongo DB.

Considerations

You have been given various attributes of a TV shows.

Data Volume

1 million products

Business Benefits

If we model correctly, then we will be able to get data in one hit. If you check IMDB, there you will find all the details on a single page. Response time will be less.