**Productize tech assignment**

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**Solution:**

**1. List all the tables that we have to create**

1. **Users Table**:

* Columns: user\_id (primary key), username

1. **Concerns Table:**

* Columns: concern\_id (primary key), concern\_name

1. **User\_Concerns Table:**

* Columns: user\_id (foreign key referencing Users table), concern\_id (foreign key referencing Concerns table)

**2. List all the necessary APIs that we have to build:**

1. **API to fetch User Concerns:**

* Endpoint: /api/user-concerns
* Method: GET
* Description: This API will retrieve all the concerns associated with a particular user based on the user\_concerns mapping table.
* Request Parameters: user\_id
* Response: List of concerns (concern\_id, concern\_name)

**b. API to fetch Content:**

* Endpoint: /api/content
* Method: GET
* Description: THIS API will fetch the next available content for a user’s concern, considering the user’s progress in watching previous content.
* Request Parameters: user\_id, concern\_id
* Response: Content details (content\_id, content\_title, content\_description, screens)

**c. API to Mark Concern as Watched:**

* Endpoint: /api/content/watched
* Method: POST
* Description: This API will mark a specific screen of concern as watched by the user.
* Request Parameters: user\_id, concern\_id, content\_id, screen\_id
* Response: Success/failure message

This is the required steps I think involved to create the solution for this particular assignment you gave. If I missed any point or any other parameters in this I am open to take feedback from you to improve according to that.

**Thank you !!**