

# PROGRAMMING TASK

## Angular Task

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**Primary Objective :** Work with API endpoints to develop a video library (embed vimeo videos) on which you can perform CRUD operations based on reactive pattern. Each video should have their own description, likes, and thumbnail link.

**Features:** The application should have the following capabilities:

- Display a list of videos and show their respective likes and thumbnail coming from an exposed JSON endpoint.
- A separate screen for viewing a video, its title, likes, and description (if any) coming from an exposed JSON API endpoint.
- Create a Like Button which will be hitting an exposed API endpoint that updates the Database through a JSON. The view should update if the data is updated successfully.
- On the video player route, show the played and remaining time outside the embedded player for the currently playing video as the video progresses.
- Create new User with reactive form with validation and pass on to exposed API endpoint as JSON. The User should be Viewable, Updatable, and Deletable.

**\*Note :** You may also mock your own database if you wish to. (Checkout the position for Full-Stack)

**Submission :** Share the source code through github/bitbucket.

**API:** The required JSON structure for the endpoints are provided below.

**Design :** <https://drive.google.com/open?id=1QrNWYbv5KUofcVGothM1TFm0d-zAASGg>

**Deadline :** Within 10:00am, 28th April 2019.

For any queries regarding this task, please send us an email at [dev@elobyte.com](mailto:dev@elobyte.com).

### **JSON structure for video.**

```
{  
  "title": "string",  
  "url": "string",  
  "description": "string",  
  "likes" : number, //Upto You how you want to handle likes.  
  "thumbnailURL": "string"  
  "updatedAt": "dateTimeOfLastUpdateOrCreated"  
}
```

### **JSON structure for the user.**

```
{  
  "id": number,  
  "name": "string",  
  "photoUrl": "string",  
  "email": "string"  
}
```