Approach I have used :

1. To begin with I have defined Named Credential to store the URL. With this changing the URL everytime in the code is avoided. The URL is stored and only the path is appended in the code. Even this can be handled by creating a custom setting
2. I have created the Apex Classes for callouts with different set of data from two APIs
3. Call these apex classes in the batch class
4. In the finish section of the batch class I would upsert the data received

How could I have made it better

1. Map the JSON response data onto a custom meta and use that to save onto the records. This would ensure in case if there are additional fields that need to be stored, then it would be just adding the json field and mapping to relevant fields on the object.
2. Since there are two APIs which differ only in the path :
   1. I could create a custom setting to use the URL in it and refer that in my code.
   2. The request and response methods can be made available in a common class and passing the path alone (in this case ‘users’ and ‘albums’) as parameters to ensure code reusability

Challenges faced :

1. I had technical issues with the system and could not complete the assignment.
2. I was not able to write test class due to the system glitch and time constraint