

## Assignment - REST API in Go

- Create a POST (REST) API in Golang
  - Which scrapes an Amazon web page given its URL
  - The code should scrape following data from the page
    - Product Name/Title
    - Product image url
    - Product description
    - Product price
    - Product total number of reviews.
  - Calls the below separate API to persist the information
- Create a POST (REST) API in Golang
  - API handler takes the JSON structure from the request payload
  - Handler writes the obtained payload to a new/updated Document (Use your favourite Document store)
  - Also write timestamp of the create/update within the document
  - Refer to the sample JSON below, but add/update fields as you see fit.
- Containerize,
  - Dockerize this simple service into a separate image,
  - Use Docker Compose to include 2 services and any DB that is required
  - Ensure that 'docker compose up' can bring up the entire service
- Push to Github
  - Create a project/repo on github
  - Add a simple README demonstrating how to build and run this code
  - Ensure the access to the repo is provided
- Submit before 7 days from the receipt of assignment.
  - Assignments submitted past the due date will not be accepted.

## Sample JSON:

```
{
  "url": "https://www.amazon.com/PlayStation-4-Pro-1TB-Console/dp/B01LOP8EZC/",
  "product": {
    "name": "PlayStation 4 Pro 1TB Console",
    "imageURL":
"https://images-na.ssl-images-amazon.com/images/I/41GGPRqTZtL._AC_.jpg",
    "description": "Heighten your experiences.\n Enrich your adventures.",
    "price": "$348.00",
    "totalReviews": 4436
  }
}
```