

# Software Engineer Assignment

Implement an application that provides a list of phrases related to a topic it inserts.

The application provides a REST API method called **GiveMeAdvice**.

The method shall accept the following parameters:

- **topic**, required, a string containing the topic
- **amount**, optional, an integer indicating the maximum amount of phrases to return

The response must be a **list of advices** related to the given parameter, each represented by a string.

Example #1 request payload

```
{
  "topic": "cars"
}
```

Example #1 response payload

```
{
  "adviceList": [
    "Cars are bad investments."
  ]
}
```

Example #2 request payload

```
{
  "topic": "love",
  "amount": 2
}
```

Example #2 response payload

```
{
  "adviceList": [
    "Always do anything for love, but don't do that.",
    "Be a good lover."
  ]
}
```

The Advice Slip JSON public API (<https://api.adviceslip.com/>) should be used as the data source.

The application must also implement a local cache in order to avoid multiple calls to the public API for the same topic.

Such a cache should expire after 5 minutes it is created.

## Constraints

- Provide clear instructions on how to run your project through a README file
- Automated tests

## Bonus points

- Docker containerization

## Notes

There is no limit on the usage of external frameworks or libraries