

• Include any instructions on how to build, run, and test your application

## Sample JSON for testing

```
"rates": [
           "days": "mon, tues, thurs",
           "times": "0900-2100",
           "tz": "America/Chicago",
"price": 1500
           "days": "fri,sat,sun",
"times": "0900-2100",
"tz": "America/Chicago",
           "price": 2000
           "days": "wed",
"times": "0600-1800",
           "tz": "America/Chicago",
           "price": 1750
           "days": "mon,wed,sat",
           "times": "0100-0500",
"tz": "America/Chicago",
           "price": 1000
           "days": "sun,tues",
"times": "0100-0700",
           "tz": "America/Chicago",
           "price": 925
]
```

The timezones specified in the JSON file adhere to the 2017c version of the tz database. Assume that there could be other (non America/Chicago) timezones specified. For more information: https://en.wikipedia.org/wiki/List\_of\_tz\_database\_time\_zones

Assume that rates in this file will never overlap

## Sample result

Datetime ranges must be specified in ISO-8601 format. A rate must completely encapsulate a datetime range for it to be available.

- 2015-07-01T07:00:00-05:00 to 2015-07-01T12:00:00-05:00 must yield {'price': 1750}
- 2015-07-04T15:00:00+00:00 to 2015-07-04T20:00:00+00:00 must yield {'price': 2000}
- 2015-07-04T07:00:00+05:00 to 2015-07-04T20:00:00+05:00 must yield "unavailable"

## Assessment

Members of our backend team will ensure your code meets the functional criteria and score the submission based on project design, language/framework best practices, code cleanliness and organization, ease of use, packaging, documentation, and testing practices.