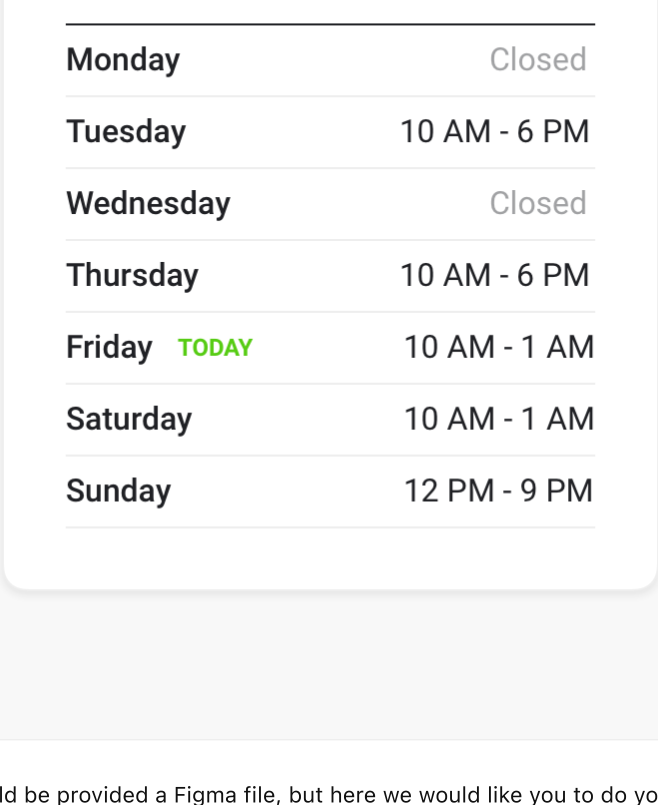


Opening hours assignment (frontend)

Version 2.6

Your task is to write a program that takes JSON-formatted opening hours of a restaurant as an input and outputs hours as presented it the following design:



At Wolt you would be provided a Figma file, but here we would like you to do your best to derive the UI from an imperfect design file. Pixel perfectness is not required but we appreciate getting the details right.

Input data

Input JSON consist of keys indicating days of a week and corresponding opening hours as values. One JSON file includes data for one restaurant.

```
{
  "<dayofweek>": "<opening hours>",
  "<dayofweek>": "<opening hours>",
  ...
}
```

Day of week: monday | tuesday | wednesday | thursday | friday | saturday | sunday

Opening hours: an array of objects containing opening hours.

Each object consist of two keys:

- type: open | close
- value: number (opening / closing time as seconds past midnight), e.g. 32400 = 9 AM, 37800 = 10.30 AM, max value is 86399 = 11.59:59 PM

Example: on Mondays a restaurant is open from 9 AM to 8 PM

```
{
  "monday": [
    { "type": open, "value": 32400 },
    { "type": close, "value": 72000 }
  ]
}
```

Special cases

- If a restaurant is closed the whole day, an array of opening hours is empty.
  - "tuesday": [] means a restaurant is closed on Tuesdays
- A restaurant can be opened and closed multiple times during the same day
  - E.g. on Mondays from 9 AM - 11 AM and from 1 PM to 5 PM
- A restaurant might not be closed during the same day
  - E.g. a restaurant is opened on a Sunday evening and closed on early Monday morning. In that case sunday object includes only the opening time. Closing time is part of the monday object.
  - When printing opening hours which span between multiple days, closing time is always a part of the day when a restaurant was opened (e.g. Sunday 8 PM - 1 AM)

```
{
  "friday": [
    {
      "type": "open",
      "value": 64800
    }
  ],
  "saturday": [
    {
      "type": "close",
      "value": 3600
    },
    {
      "type": "open",
      "value": 32400
    },
    {
      "type": "close",
      "value": 39600
    },
    {
      "type": "open",
      "value": 57600
    },
    {
      "type": "close",
      "value": 82800
    }
  ]
}
```

In the example above the opening hours area as follows:

```
Friday: 6 PM - 1 AM
Saturday: 9 AM -11 AM, 4 PM - 11 PM
```

See full example on the last page

Logical output

Opening hours must be printed using 12-hour clock. Example of logical output:

```
Monday: 8 AM - 10 AM, 11 AM - 6 PM
Tuesday: Closed
Wednesday: 11 AM - 6 PM
Thursday: 11 AM - 6 PM
Friday: 11 AM - 9 PM
Saturday: 11 AM - 9 PM
Sunday: Closed
```

Reading input and formatting output

A minimum requirement is to read JSON data from a file and output opening hours in a view that is designed based on the layouts provided. However, this is where you can dazzle us with your platform specific skills.

Tech & tools

We prefer a typed language that compiles to JavaScript (e.g. TypeScript) to be used, but we will consider JavaScript submissions, too. 3rd party libraries and frameworks are allowed.

Approach & expectations

Our suggestion is that you try to implement this solution with the same quality and care as you would expect from production-level pull requests, even if some typical requirements (like automatic error reporting) don't make sense to be added.

Deliverable

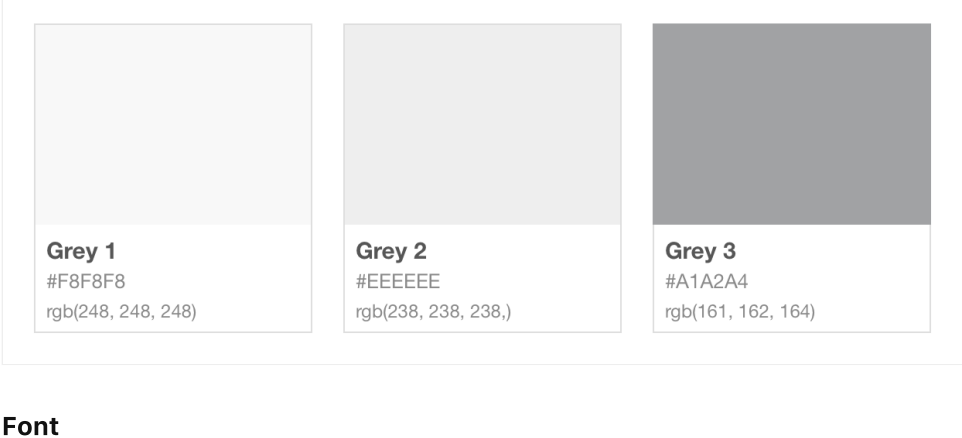
Bundle everything into a Zip archive and email it to us. Remember that it is easier for us to review your task if we can test / run it.

A good check before sending the Zip is to unarchive it into a new folder and check that building and running the project works using the steps you define in README.md . Forgotten dependencies and instructions can sometimes happen even to the best of us.

Design assets

Design assets to help you implement the UI

Colors



Font

https://fonts.google.com/specimen/Roboto

Example

Roboto Bold / 24 px / 30 px

Example

Roboto Regular / 16 px / 22 px

Example

Roboto Medium / 16 px / 22 px

EXAMPLE

Roboto Bold / 12 px / 16 px

Full data formatting example

```
{
  "monday": [],
  "tuesday": [
    { "type": "open", "value": 36000 },
    { "type": "close", "value": 64800 }
  ],
  "wednesday": [],
  "thursday": [
    { "type": "open", "value": 36000 },
    { "type": "close", "value": 64800 }
  ],
  "friday": [{ "type": "open", "value": 36000 }],
  "saturday": [
    { "type": "close", "value": 3600 },
    { "type": "open", "value": 36000 }
  ],
  "sunday": [
    { "type": "close", "value": 3600 },
    { "type": "open", "value": 43200 },
    { "type": "close", "value": 75600 }
  ]
}
```

In the example above the opening hours area as follows:

```
Monday: Closed
Tuesday: 10 AM - 6 PM
Wednesday: Closed
Thursday: 10 AM - 6 PM
Friday: 10 AM - 1 AM
Saturday: 10 AM - 1 AM
Sunday: 12 PM - 9 PM
```

