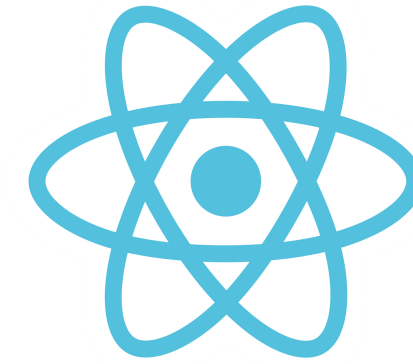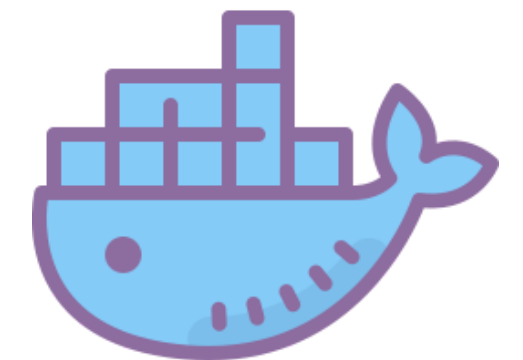# Technical Documentation

SUMMARY
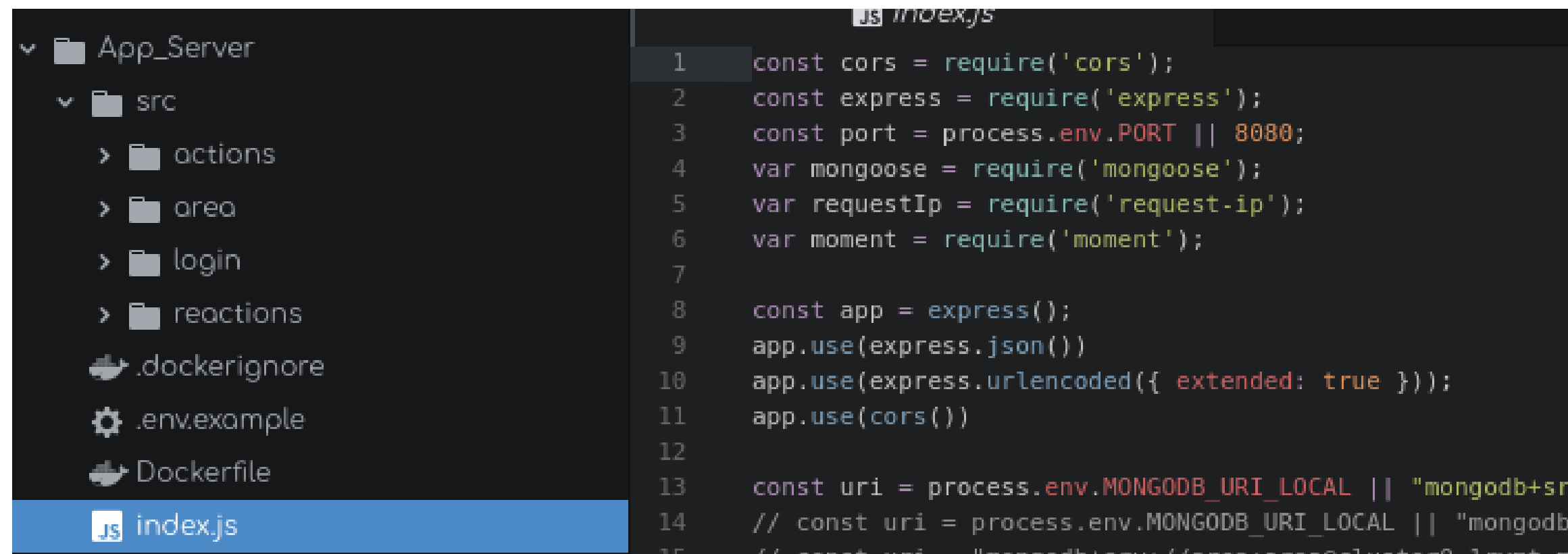
1. **Mobile configuration/requirements**

2. **User management**

3. **About.json**

4. **Call API**

Mobile requirements/configuration

- Android Emulator compile with SDK
- You can configurate the address and port
- You can change the background

User management

- Web and mobile use MongoDB database
- We need to create an URI for the login
- URI need MongoDB's account Name and Password

About.json

- Web and mobile use MongoDB database
- Display Actions, Actions Arguments depends on the about.json
- Display Reactions, Reactions Arguments depends on the about.json
- Actions Arguments and Reactions Arguments are optional value in about.json

```
app.get('/about.json', (req, res) => {
    var ip = requestIp.getClientIp(req);
    res.json({
        "client": {
            "host": ip,
        },
        "server": {
            "current_time": moment().unix(),
            "services": [{
                "name": "openweather",
                "actions": [{
                    "name": "city temperature",
                    "description": "give infos about city temperature",
                }, {
                    "name": "city geocoding",
                    "description": "give infos about city geocoding",
                }, {
                    "name": "city air pollution",
                    "description": "give infos about air pollution",
                }],
            }, {
                "name": "stormglassweather",
                "actions": [{
                    "name": "city uv",
                    "description": "give infos about city uv",
                }],
            }, {
                "name": "currency",
                "actions": [{
                    "name": "money converter",
                    "description": "convert money",
                }],
            }, {
                "name": "bitcoincurrency",
                "actions": [{
                    "name": "bitcoin converter",
                    "description": "convert bitcoin to EUR",
                }],
            }, {
                "name": "github",
                "actions": [{
                    "name": "check repo",
                    "description": "check nber of repo in account",
                }],
            }, {
                "name": "news",
                "actions": [{
                    "name": "news",
                    "description": "check news",
                }],
            }, {
```

Call API

Set parameter

Request

API parameter

```javascript
const express = require('express');
const axios = require('axios');
const app = express.Router();

app.post("/covid", (req, res) => {
    let userInput = req.body.user;
    const URL = `https://disease.sh/v3/covid-19/countries/${userInput}`

    axios.get(URL)
        .catch(error => {
            console.log(error);
        })
        .then((response) => {
            console.log(response.data);
            return res.send({
                message: response.data,
                status: 200
            })
        })
})

module.exports = app;
```

Error handling

Get data response

API Response

Data response

Reaction response

```
{
  updated: 1646791454790,
  country: 'France',
  countryInfo: {
    _id: 250,
    iso2: 'FR',
    iso3: 'FRA',
    lat: 46,
    long: 2,
    flag: 'https://disease.sh/assets/img/flags/fr.png'
  },
  cases: 23164872,
  todayCases: 0,
  deaths: 139618,
  todayDeaths: 0,
  recovered: 21836672,
  todayRecovered: 0,
  active: 1188582,
  critical: 2484,
  casesPerOneMillion: 353575,
  deathsPerOneMillion: 2131,
  tests: 246629975,
  testsPerOneMillion: 3764416,
  population: 65516138,
  continent: 'Europe',
  oneCasePerPeople: 3,
  oneDeathPerPeople: 469,
  oneTestPerPeople: 0,
  activePerOneMillion: 18141.82,
  recoveredPerOneMillion: 333302.19,
  criticalPerOneMillion: 37.91
}
{
  from: 'project.area.epitech@gmail.com',
  to: 'aaa@gmail.com',
  subject: 'AREA REACTION GMAIL: les dernières info du covid',
  text: '{"updated":1646791454790,"country":"France","countryInfo":{"_id":250,"iso2":"FR","iso3":
"FRA","lat":46,"long":2,"flag":"https://disease.sh/assets/img/flags/fr.png"},"cases":23164872,"to
dayCases":0,"deaths":139618,"todayDeaths":0,"recovered":21836672,"todayRecovered":0,"active":1188
582,"critical":2484,"casesPerOneMillion":353575,"deathsPerOneMillion":2131,"tests":246629975,"tes
tsPerOneMillion":3764416,"population":65516138,"continent":"Europe","oneCasePerPeople":3,"oneDeat
hPerPeople":469,"oneTestPerPeople":0,"activePerOneMillion":18141.82,"recoveredPerOneMillion":3333
02.19,"criticalPerOneMillion":37.91}'
}
```