MYJAR Engineering Test Task

In this folder, you'll find an incomplete NodeJS project (`puppify-api`). As a software engineer candidate, your task is to ensure the project fulfils the original acceptance criteria (AC) as described below. The current situation as it was left by a former developer when he got promoted away into management.

Please return to MYJAR a working, professional quality codebase. Add documentation and comments on your work process, things that should be improved in the future, observed problems, etc.

Note: As we are always improving this test task, all feedback is welcome. Please also keep track of the time it took, we're aiming not to request more than 2 hours of input. **Thanks && good luck!** MYJAR.

Task description, as received from Product Owner

Puppify, the flagship product of HOT-DOG INC., is a public REST API which reduces full-grown dogs back to cute puppies, taking advantage of real-life AWS Wiplala service.

- **Criteria 1.** Provide an API to puppify a dog [*80% implemented*] – START HERE!
- **Criteria 2.** Provide an API to revert a previously puppified dog [*not implemented*]
- **Criteria 3.** Stretch target:

As everyone knows, it is dangerous for more than 2 puppified puppies gather at a playground at the same time, as the quantum biorythms of puppification can cause a turbulent reaction due to triangular proximity.

Provide an API, given a number of puppy's plans for playground visits, returns the period of danger.

Sample input:

```
{"puppies": [
    {
        "name": "Pumpkin",
        "visits": ["13:20-14:00", "15:10-16:00"]
    },
    {
        "name": "Nut",
        "visits": ["10:00-13:30", "14:00-15:00"]
    },
    {
        "name": "Loofah",
        "visits": ["11:00-14:00"]
    }
]};
```

Sample output:

```
{
    "result": "danger!",
    "dangerPeriods: ["13:20-13:30"], // All ranges when three puppies are
visiting the playground
    "peakVisitors" 3 // Maximum number of puppies visiting at once
}
```