Project

VIDLY

http://vidly.com/api/genres

```javascript
const Joi = require('joi');
const express = require('express');
const app = express();

app.use(express.json());

const genres = [
    { id: 1, name: 'Action' },
    { id: 2, name: 'Horror' },
    { id: 3, name: 'Romance' },
];

app.get('/api/genres', (req, res) => {
    res.send(genres);
});

// Complexity is 3 Everything is cool!
app.post('/api/genres', (req, res) => {
    const { error } = validateGenre(req.body);
    if (error) return res.status(400).send(error.details[0].message);

    const genre = {
        id: genres.length + 1,
        name: req.body.name
    };
    genres.push(genre);
    res.send(genre);
});

// Complexity is 6 It's time to do something...
app.put('/api/genres/:id', (req, res) => {
    const genre = genres.find(c => c.id === parseInt(req.params.id));
    if (!genre) return res.status(404).send('The genre with the given ID was not found.');

    const { error } = validateGenre(req.body);
    if (error) return res.status(400).send(error.details[0].message);

    genre.name = req.body.name;
    res.send(genre);
});

// Complexity is 4 Everything is cool!
app.delete('/api/genres/:id', (req, res) => {
    const genre = genres.find(c => c.id === parseInt(req.params.id));
    if (!genre) return res.status(404).send('The genre with the given ID was not found.');

    const index = genres.indexOf(genre);
    genres.splice(index, 1);

    res.send(genre);
});

// Complexity is 4 Everything is cool!
app.get('/api/genres/:id', (req, res) => {
    const genre = genres.find(c => c.id === parseInt(req.params.id));
    if (!genre) return res.status(404).send('The genre with the given ID was not found.');
    res.send(genre);
});

function validateGenre(genre) {
    const schema = {
        name: Joi.string().min(3).required()
    };

    return Joi.validate(genre, schema);
}

const port = process.env.PORT || 3000;
app.listen(port, () => console.log(`Listening on port ${port}...`));
```

Terminal:

```
dandy@My-Ubuntu:~/Keep/Node.js/04. Building RESTful API_s Using Express/Applications/14. Project- Build the Genres API$ nodemon index.js
[nodemon] 2.0.2
[nodemon] to restart at any time, enter `rs`
[nodemon] watching dir(s): *.*
[nodemon] watching extensions: js,mjs,json
[nodemon] starting `node index.js`
Listening on port 3000...
```