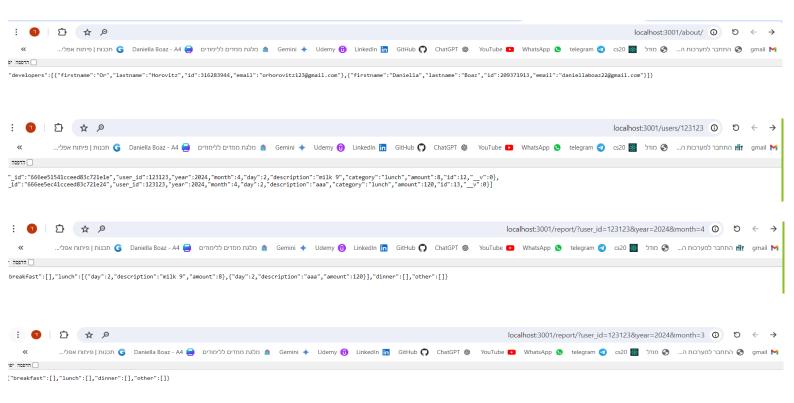
# Calories Manager REStful Web Services

Final Project in Asynchronous Server Side Course

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Video Link: https://youtu.be/pH7tSUefyQo

GitHub Link: https://github.com/daniellaboaz/REStful-Web-Services.git

Web Link: <a href="https://restful-web-services.onrender.com">https://restful-web-services.onrender.com</a>

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# controllers/caloriesController.js:

```
throw error;
       const calories = await caloriesModel.find({ user id });
       throw error;
async function generateCaloriesReport(user id, month, year) {
            year
        const report = {
            switch (calorie.category.toLowerCase()) {
                    report.lunch.push({
```



```
break;

case 'dinner':
    report.dinner.push({
        day: calorie.day,
        description: calorie.description,
        amount: calorie.amount
    });
    break;

default:
    report.other.push({
        day: calorie.day,
        description: calorie.description,
        amount: calorie.amount
    });

// Ensure all categories (even empty ones) are included in the report
['breakfast', 'lunch', 'dinner', 'other'].forEach(category => {
        if (!report[category].length) {
            report[category] = [];
        });

        return report;
} catch (error) {
        console.error('Error generating calories report:', error);
        throw error;
}

module.exports = { createCalories ,getCaloriesByUserId ,generateCaloriesReport };
```



#### models/calories.js:

```
this.id = counter.seq;
       next();
const Calories = mongoose.model('Calories', caloriesSchema);
```



# routes/about.js:



#### routes/addcalories.js:

```
const router = express.Router();
router.post('/', async (req, res) => {
       const { user id, year, month, day, description, category, amount } = req.body;
           year: parseInt(year),
           description,
```



# routes/index.js:

```
//- Or Horovitz 316283944, Daniella Boaz 209371913
// routs/index.js

const express = require('express');
const router = express.Router();

// GET home page
router.get('/', function(req, res, next) {
   res.render('index', { title: 'Home' });
});

module.exports = router;
```



# routes/report.js:



# routes/users.js:

```
//- Or Horovitz 316283944, Daniella Boaz 209371913
// routes/user.js

const express = require('express');
const router = express.Router();
const caloriesController = require('../controllers/caloriesController');

// GET specific user report
router.get('/:user_id', async function(req, res) {
   try {
     const user_id = req.params.user_id;
     const calories =
        await caloriesController.getCaloriesByUserId(user_id);
     res.json(calories); // Respond with JSON data
} catch (error) {
     console.error('Error getting calories:', error);
     res.status(500).json({ error: 'Internal server error' });
}
});

// GET products listing
router.get('/', function(req, res, next) {
    res.send('this is the users page, Please enter user id');
});

module.exports = router;
```



# views/index.pug:

```
//- Or Horovitz 316283944, Daniella Boaz 209371913
//- views/index.pug
extends layout

block content
    .container
    h1 Welcome to Home
    p This is the home page of our website.
    p From here, you can navigate to other sections of the site to learn more about our services,
    p add your daily calorie intake, generate reports, and view user information.
```



#### app.js:

```
const express = require('express');
app.use(logger('dev'));
app.use(express.json());
app.use(express.urlencoded({ extended: false }));
```