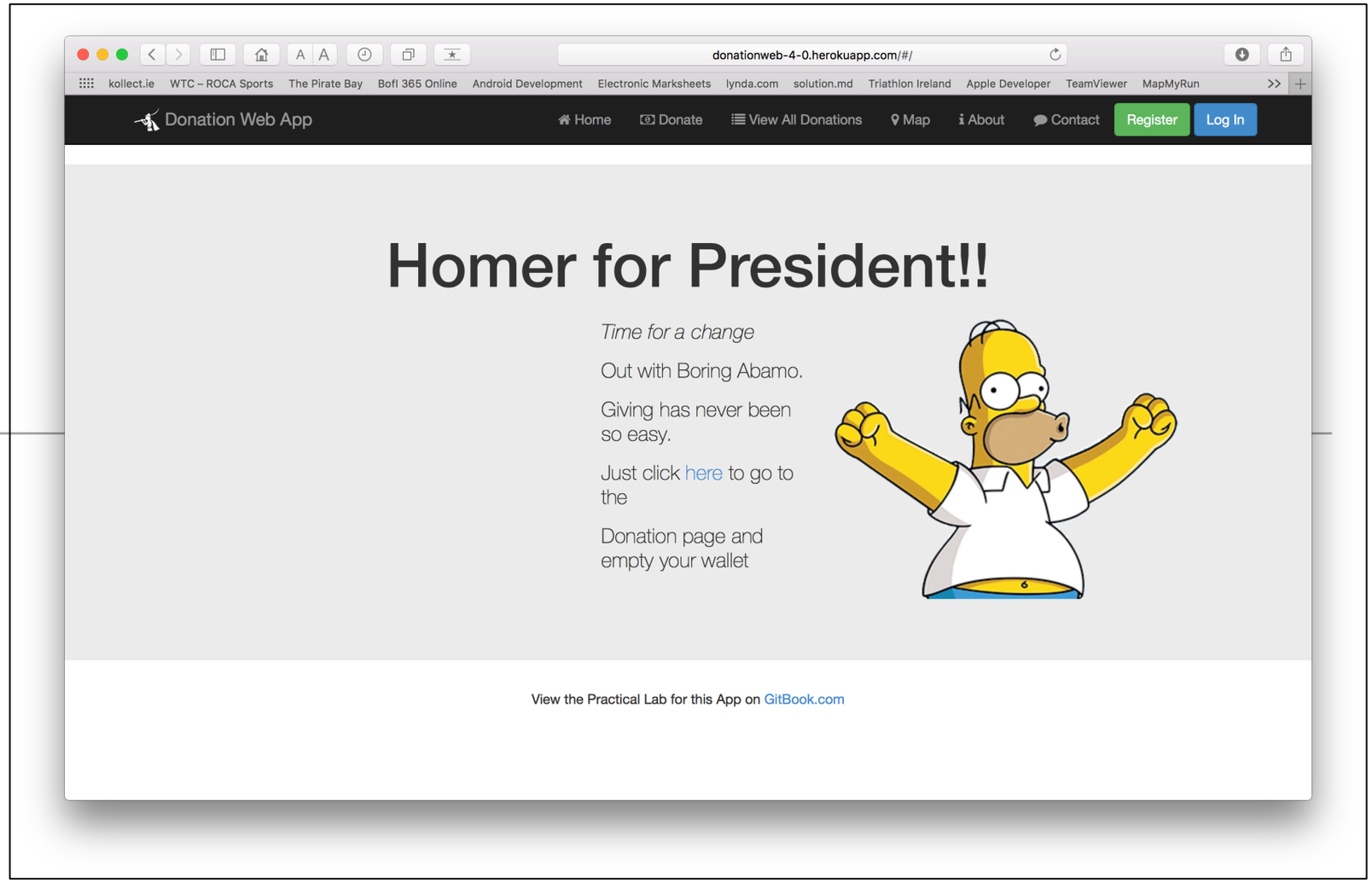
Assignment 1

30% of Overall Grade



Options

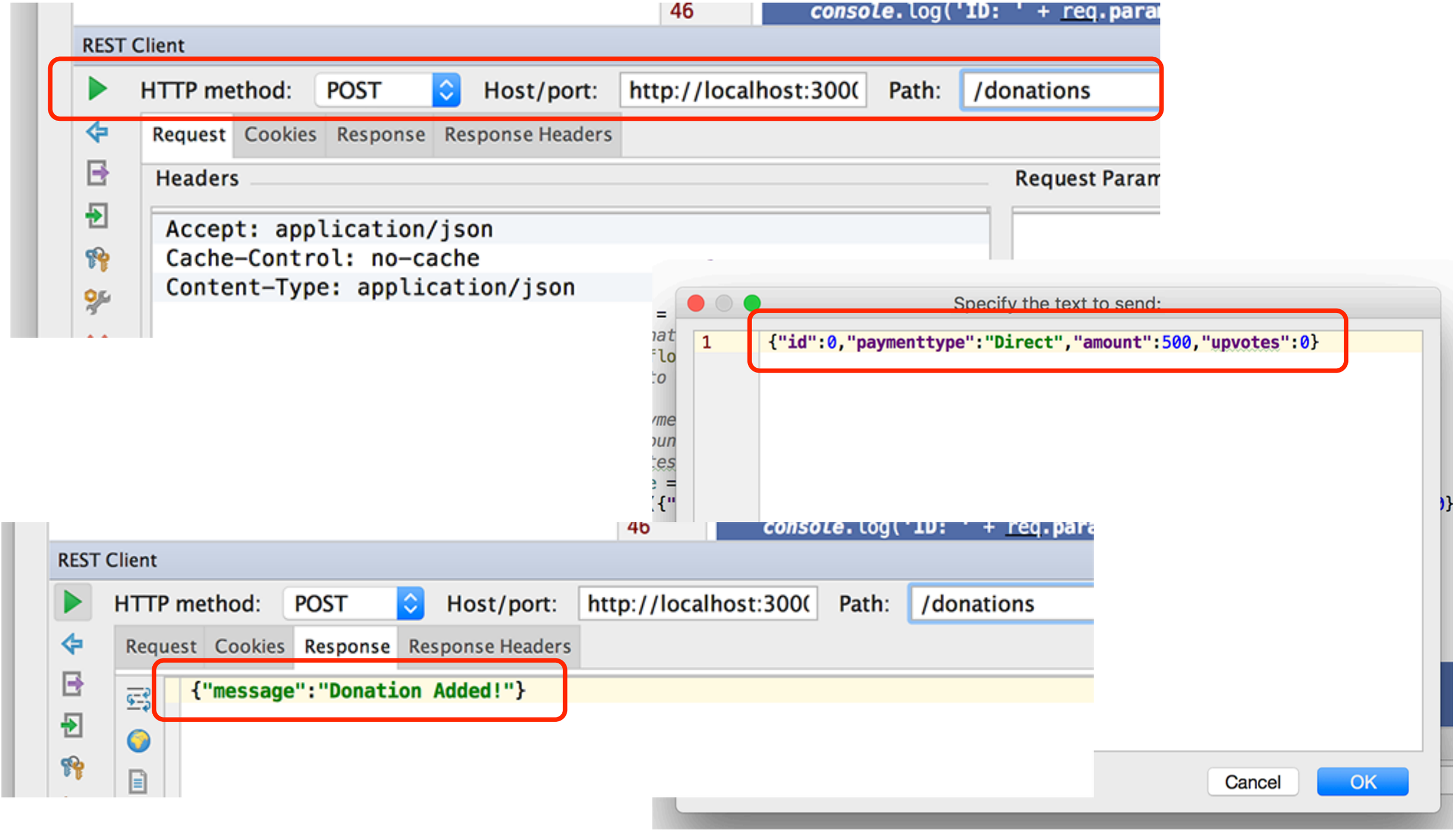
Work on your own app, exhibiting similar level of complexity/feature density as covered in the 1st half of the Semester Case Study - Donation.

Case Study - Donation

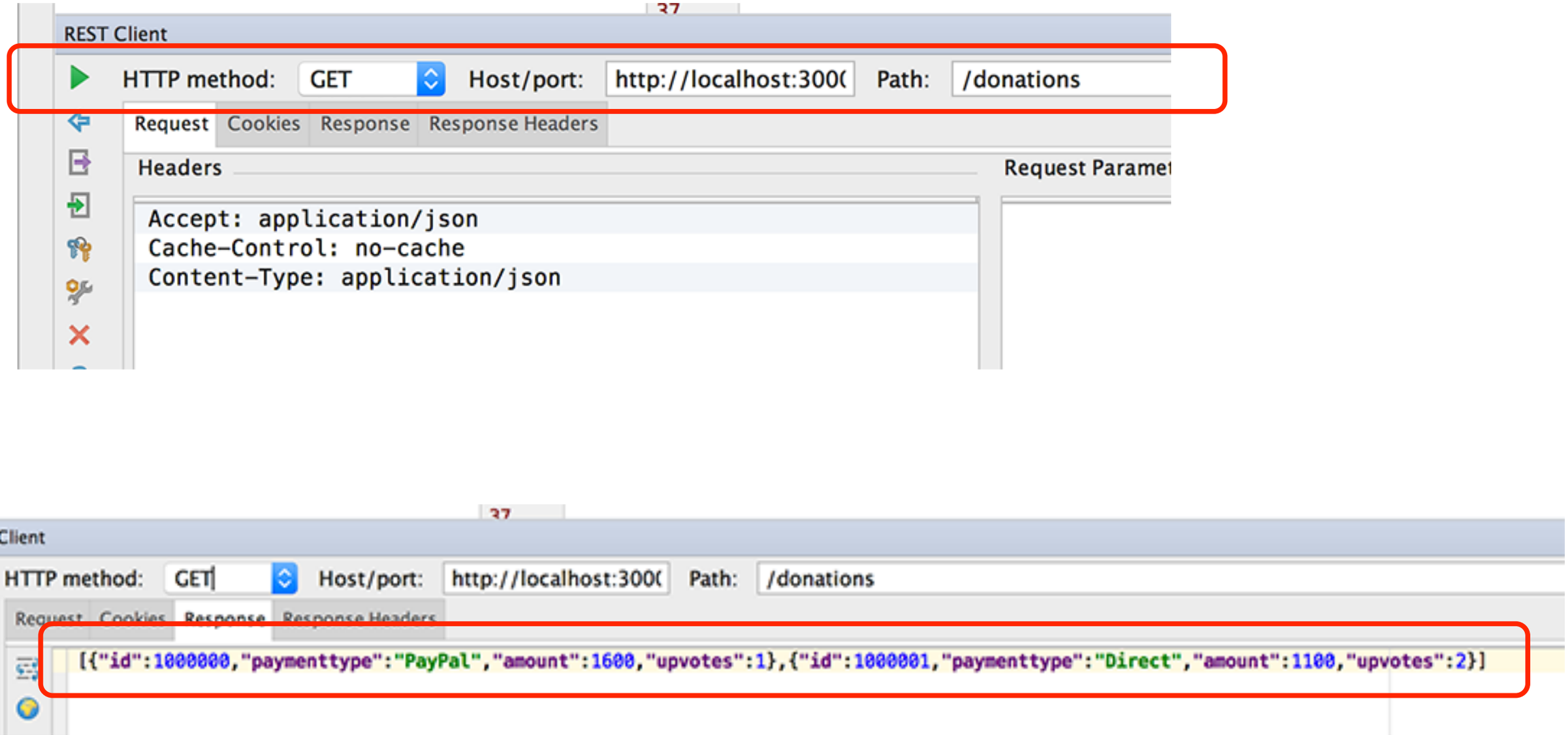
- A Node Web Server to manage donations made to ‘Homers Presidential Campaign ’.

- App Features (all via RESTful API)
  - POST a payment type and donation amount in JSON format
  - GET a list of donation amounts and types
  - GET an individual donation using an ID
  - DELETE an individual donation using and ID
  - Upvote a donation via PUT request
- Persistence via MongoDB

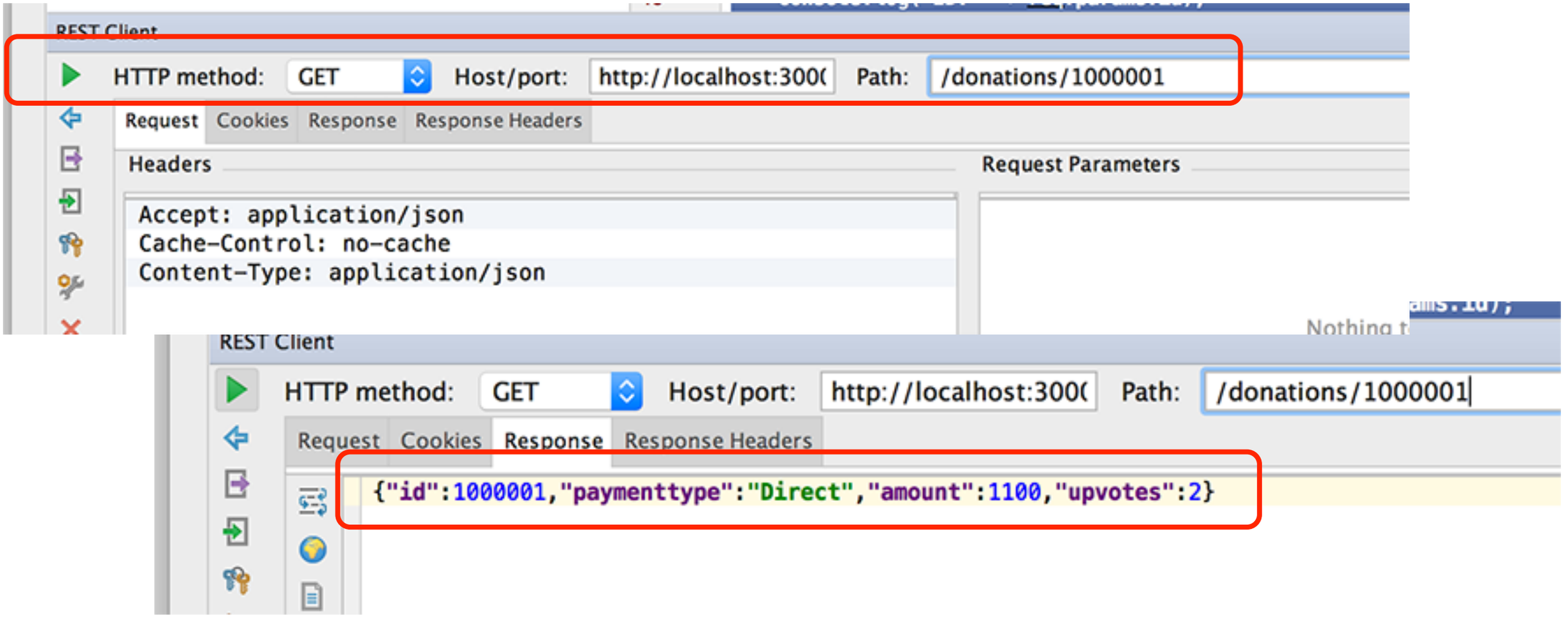
POST – Request & Response

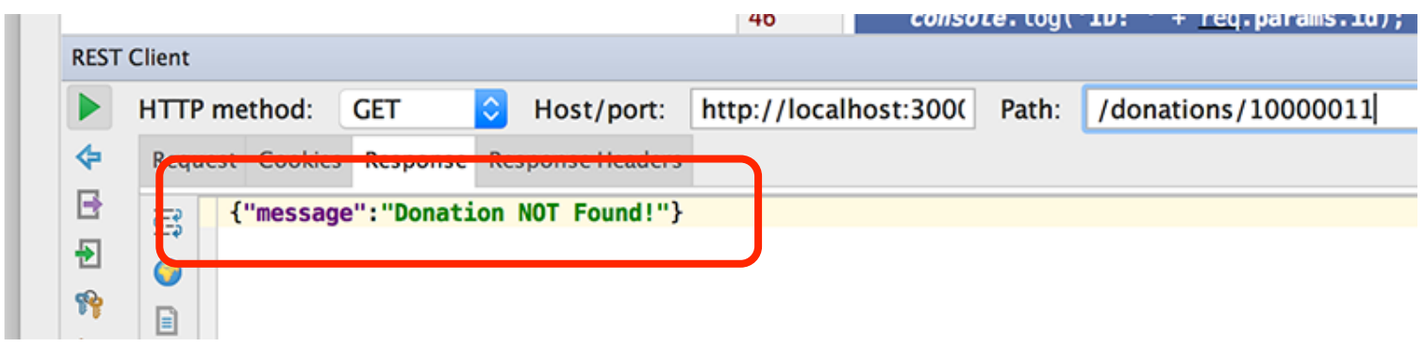


GET (1) – Request & Response

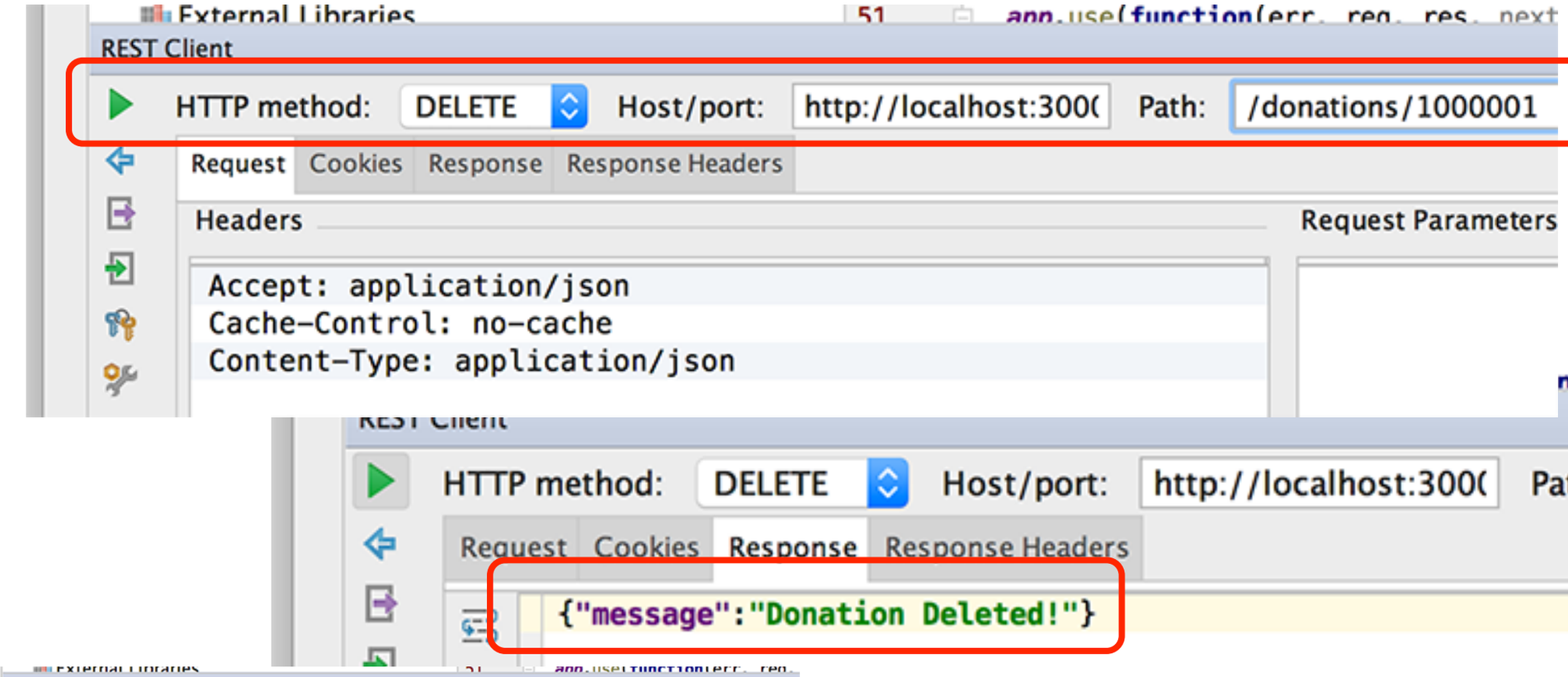


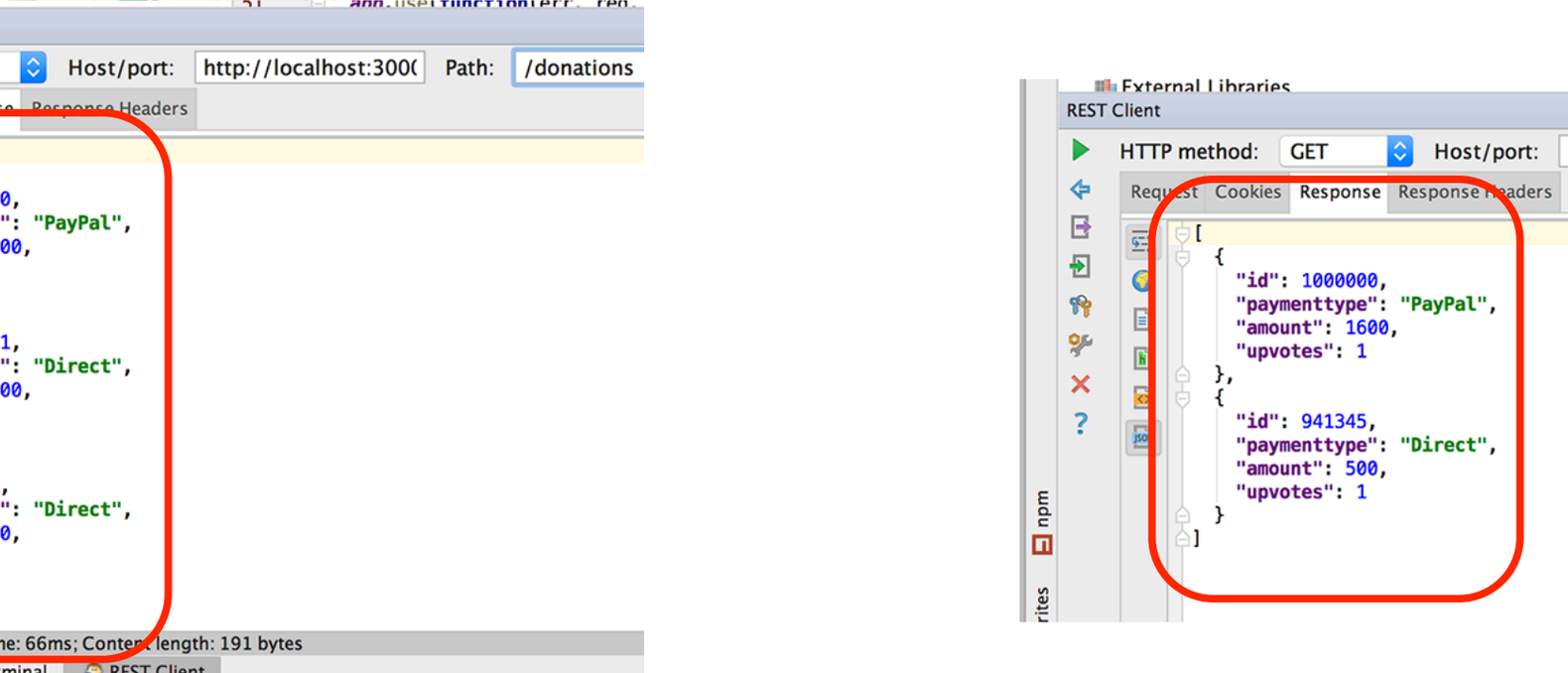
GET (2) – Request & Response



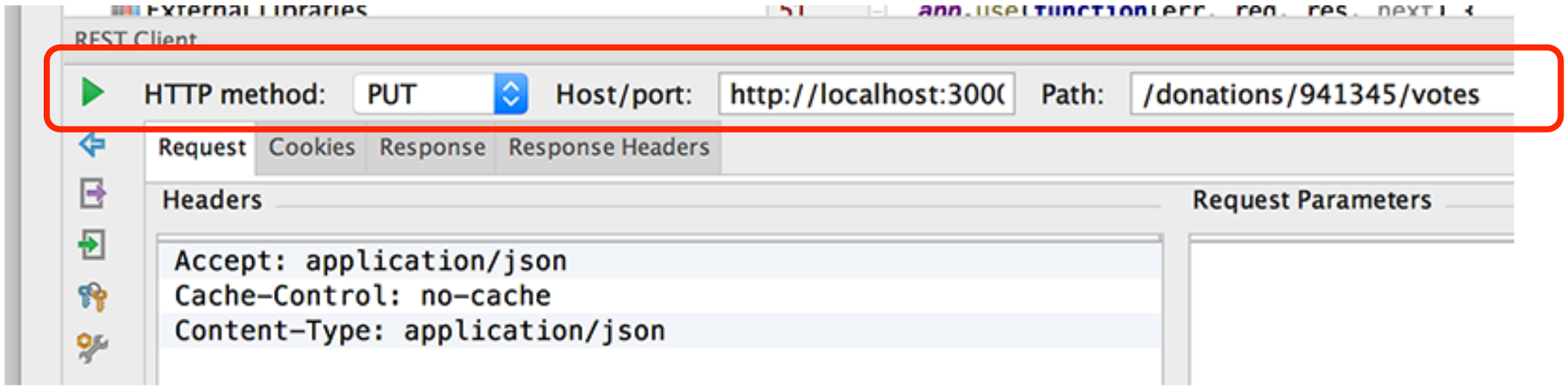


DELETE – Request & Response

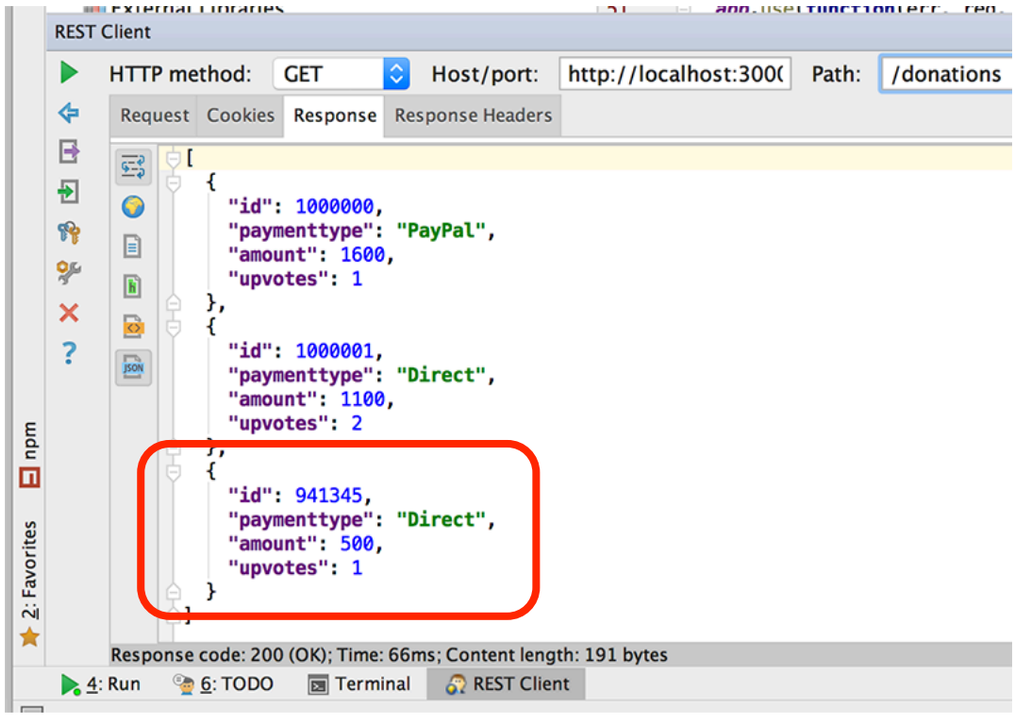




PUT – Request & Response



- Adds 1 to ‘upvotes’



Assignment Rubric for Assignment 1

Standard	CRUD Node Server [70%]	Model [10%]	Persistence [10%]	DX (Developer eXperience) [10%]
Baseline	> 2 GET routes	1 Basic Model	Basic JS Persistence	Data Validation
Good Pass line	2 GET routes 1 POST route 1 PUT route 1 DELETE route	1 Complex Model of different types	MongoDB Persistence	Adherence to JS Best Practices eg SoC, Design
Very Good	> 3 GET routes > 2 POST route > 2 PUT route > 2 DELETE route	2 Complex Models with Schema	MongoDB Persistence with Schema	Automated Testing (models)
Excellent/ Outstanding (70%+)	Additional Features included, eg fuzzy searches, authentication etc.	> 3 Models with Schema & related	Advanced Features eg. deployed, authentication	Repo Usage, git etc.

README file

Include a VERY brief README file (max two pages):

- Name and Student ID.
- Brief description of functionality.
- Persistence approach adopted i.e. what's persisted and where.
- Git approach adopted and link to git project / access.
- DX approach adopted.
- References

Submitting Project Code

Submit zip of code via Moodle dropbox. This zip should also include:

- the README file and
- full source of your web project

Give read access to your lecturer to your GitHub / BitBucket repos. GitHub and BitBucket ids are:

- ddrohan.

Questions?