

Fixing REST:

Client-Server Contract

Problem:

- There can't be any explicit client-server contract
- Your API isn't self-documenting and unchecked

Solution:

- Setup a type system and a schema
- Introduce reflection

A simple type system

```
type List {  
  id: ID!  
  name: String!  
  items: [ListItem!]!  
}
```

```
type ListItem {  
  id: ID!  
  what: String!  
  when: Date  
  byWho: User!  
  list: List!  
}
```