

## V3 - Error handling

When we submit data to the server, there is the potential to detect errors beyond the validation that can be performed server side. Perhaps a client submits an address in the UK, with a state of 'California':

```
address: {
  country: "UK",
  state: "California"
}
```

Clearly this is incorrect but our client does not know that. So we will always need to have the ability to react to error messages from the server. We have two types of error:

- Global errors that relate to the entire submission
- Property level errors that relate to a specific piece of data.

For example, a global error might be related to permissions:  
"Sorry you are not allowed to create a new address".

Whereas a field level error would be specifically about one field, and we might show the error message alongside that field in the interface:  
"California is not in the UK"

Property errors follow the structure of the submission. Say we submitted a profile:

```
{
  name: "123",
  address: {
    country: "UK",
    state: "California"
  }
}
```

Property errors follow the same structure. Only the properties that have errors will be present in this structure:

```
{
  name: "Names cannot contain only numbers",
  address: {
    state: "California is not in the UK"
  }
}
```

DO confirm the structure for returning both error formats, suggestion:

```
{
  error: "I'm sorry you are not allowed to create a new address",
  properties: {
    name: "Names cannot contain only numbers",
    address: {
      state: "California is not in the UK"
    }
  }
}
```