

# Phocas Software

## Phocas React Testing Exercise Stub

*This project contains a preconfigured react app connected to the graphql endpoint.*

*It is written in typescript if you would prefer to use JavaScript is easy enough to change the tsx / ts extensions to jsx / js and remove the type information from the files.*

*The sample query does perform a query against an organisation. Using insomnia workspace you will want to create an organisation for your exercise.*

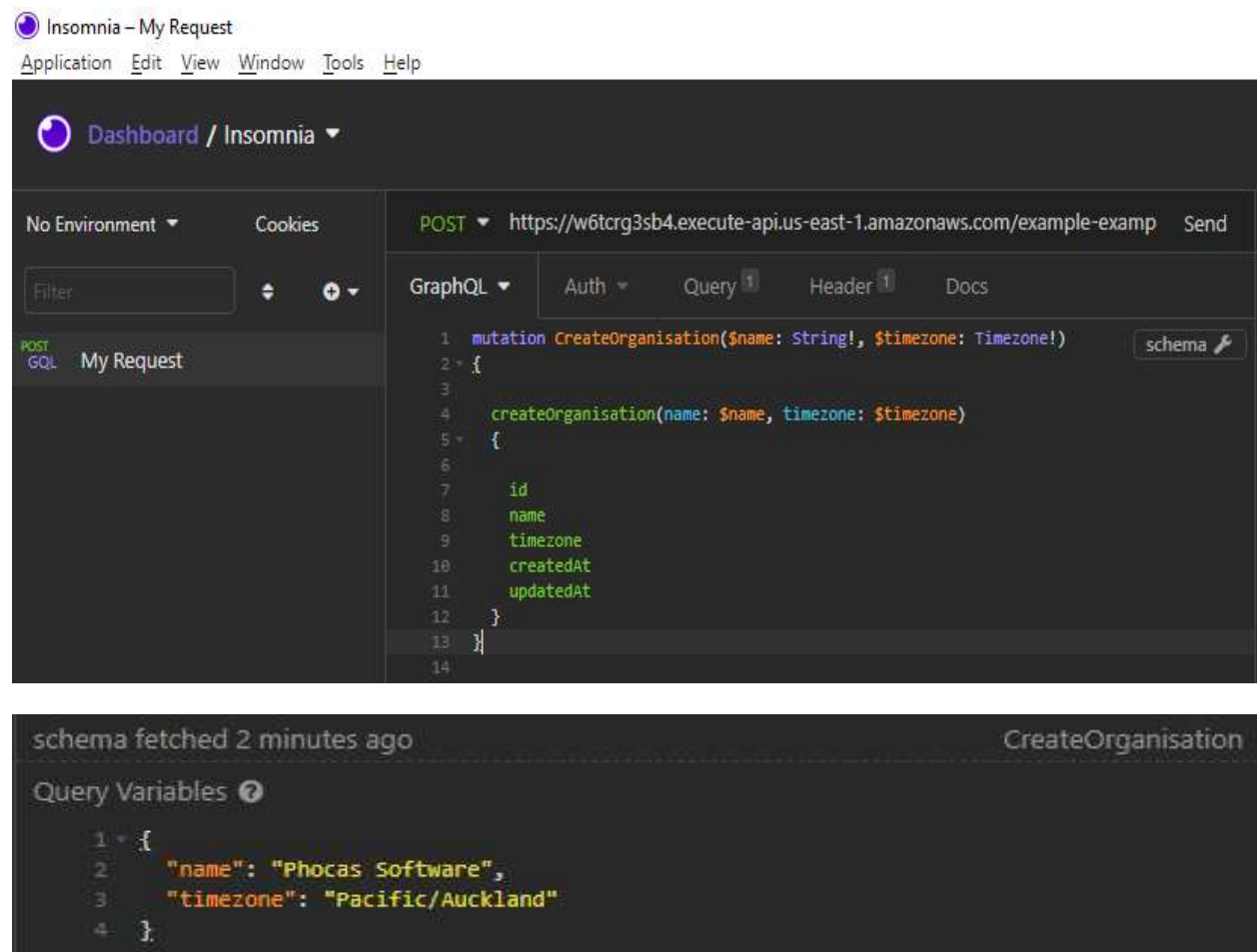
## Solution

*The solution is made available on following link:*

<https://phocas-coding-exercise.netlify.app/>

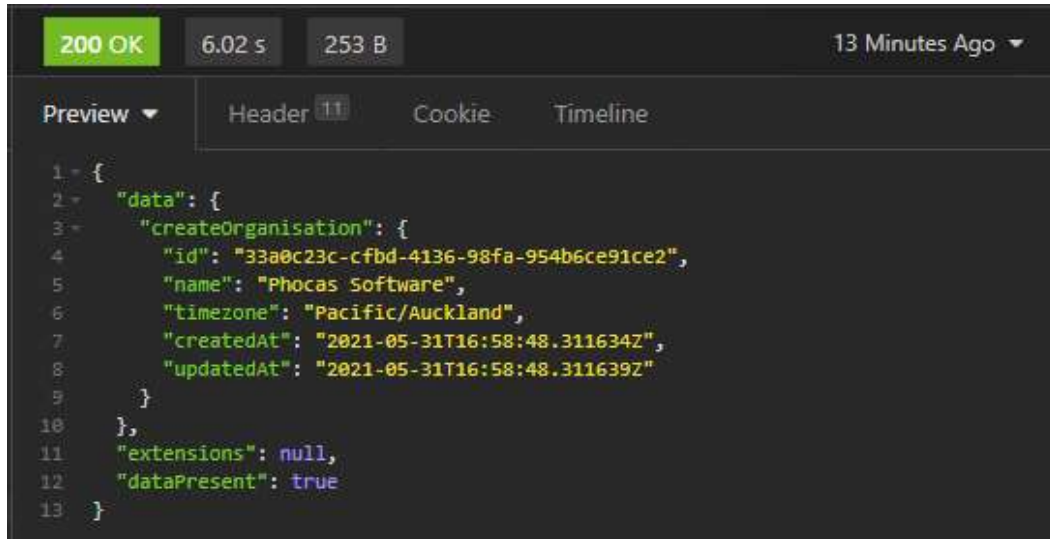
*The steps followed to achieve the result are explained below:*

- **Step 1: Following Graphql mutation is executed to create a new organization, using Insomnia Workspace.**



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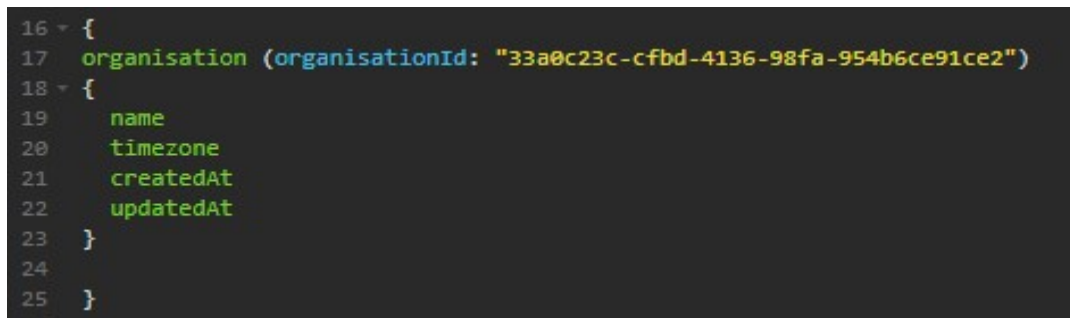
Result from mutation query is recorded as follows:



The screenshot shows the GraphQL Playground interface. At the top, it displays '200 OK', '6.02 s', and '253 B'. The 'Preview' tab is selected, showing the following JSON response:

```
1 - {
2 -   "data": {
3 -     "createOrganisation": {
4 -       "id": "33a0c23c-cfbd-4136-98fa-954b6ce91ce2",
5 -       "name": "Phocas Software",
6 -       "timezone": "Pacific/Auckland",
7 -       "createdAt": "2021-05-31T16:58:48.311634Z",
8 -       "updatedAt": "2021-05-31T16:58:48.311639Z"
9 -     }
10 -  },
11 -   "extensions": null,
12 -   "dataPresent": true
13 - }
```

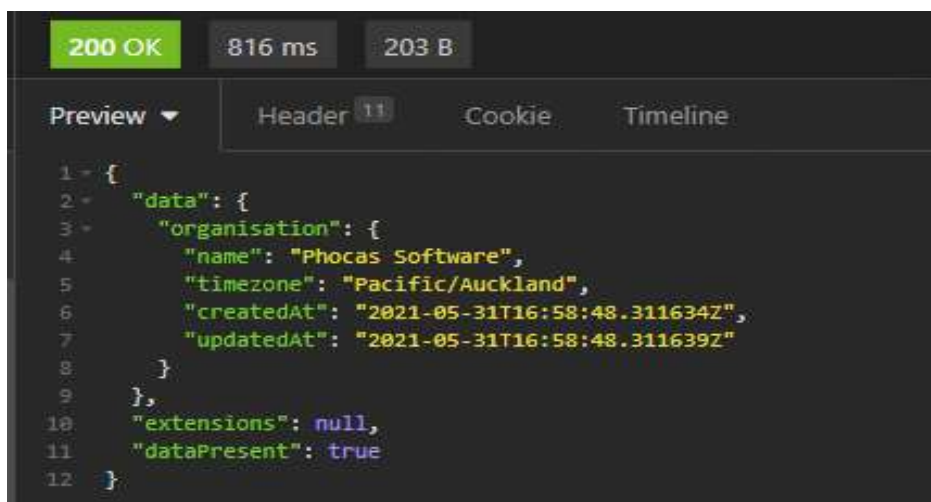
- Step 2: To confirm that organization is successfully created in the database, query against an organization is executed by passing organization id as argument.



The screenshot shows the GraphQL Playground interface with a query entered. The query is:

```
16 - {
17 -   organisation (organisationId: "33a0c23c-cfbd-4136-98fa-954b6ce91ce2")
18 -   {
19 -     name
20 -     timezone
21 -     createdAt
22 -     updatedAt
23 -   }
24 - }
25 - }
```

Result from Organisation query is recorded as follows:



The screenshot shows the GraphQL Playground interface. At the top, it displays '200 OK', '816 ms', and '203 B'. The 'Preview' tab is selected, showing the following JSON response:

```
1 - {
2 -   "data": {
3 -     "organisation": {
4 -       "name": "Phocas Software",
5 -       "timezone": "Pacific/Auckland",
6 -       "createdAt": "2021-05-31T16:58:48.311634Z",
7 -       "updatedAt": "2021-05-31T16:58:48.311639Z"
8 -     }
9 -   },
10 -   "extensions": null,
11 -   "dataPresent": true
12 - }
```

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- Step 3: A new query “organization” is created in the react App at following path:  
Phocas-react-stub-master/src/queries/organization.ts

```
import { gql } from "@apollo/client";

export const ORGANISATION_QUERY = gql`
  query organisation {
    organisation(organisationId: "33a0c23c-cfbd-4136-98fa-954b6ce91ce2") {
      id
      name
      timezone
      createdAt
      updatedAt
    }
  }
`

export type OrganisationResponse = {
  organisation: {
    id: string;
    name: string;
    timezone: string;
    createdAt: string;
    updatedAt: string;
  };
};

export type OrganisationVariables = {};
```

- Step 4: A new component “organization” is created in the react App at following path:  
Phocas-react-stub-master/src/components/organization.tsx

*This component displays organization information on the page.*