Module 7: Fetch Data using GraphQL

Demo Document 2

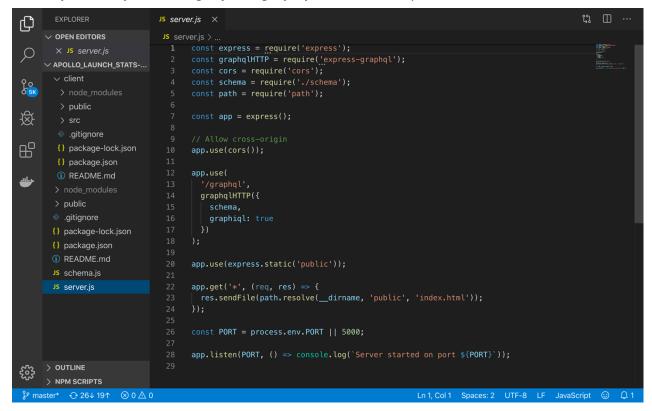
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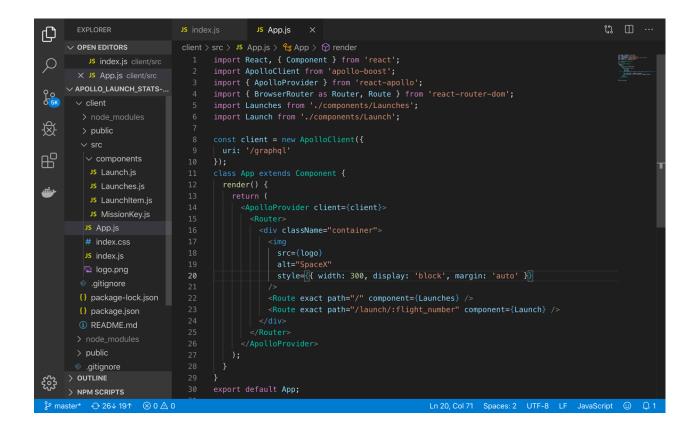
Fetch space launch data using Apollo-GraphQL

Step 1: For consuming the *GraphQL API*, we need to have *GraphQL server* which will generate the *GraphQL endpoint*. Using *express-graphql* create the GraphQL server.

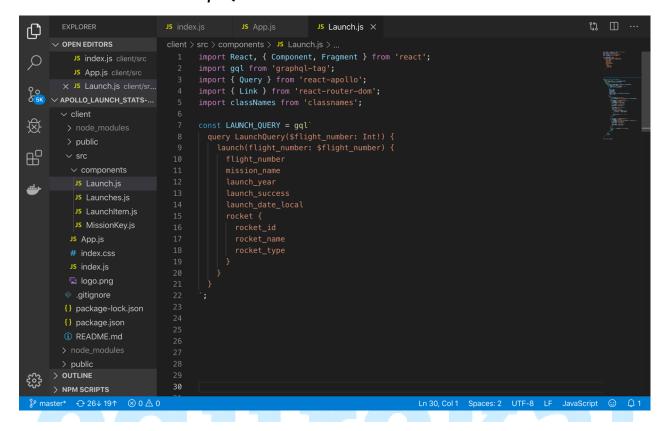


Step 2: To *consume* the *GraphQL API* in React we have to use *Apollo client* from *react-apollo* package. Make a call to the GraphQL API via Apollo client.

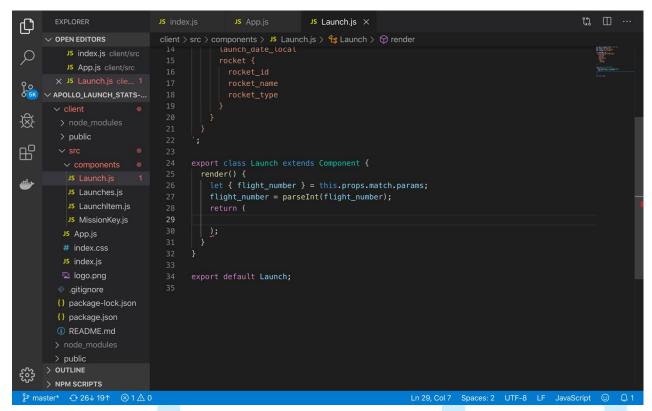
Now inside React Provider we need to use *ApolloProvider* and pass client as GraphQL client in the App.js file.



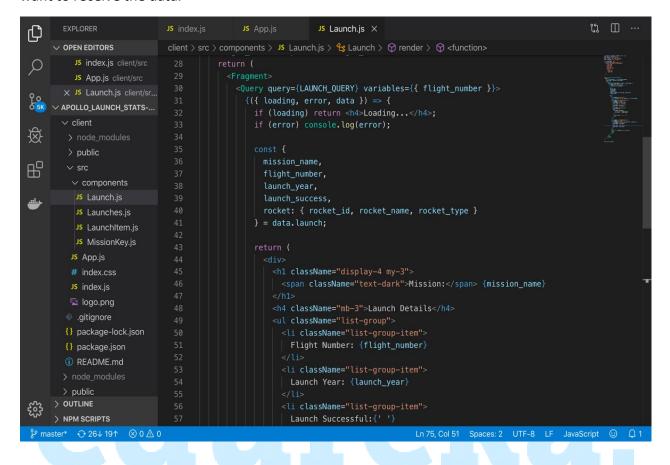
Step 3: In GraphQL, to receive data we need to create a *query structure* on the basis of which we can make an *API call* and *GraphQL server* will return the data.



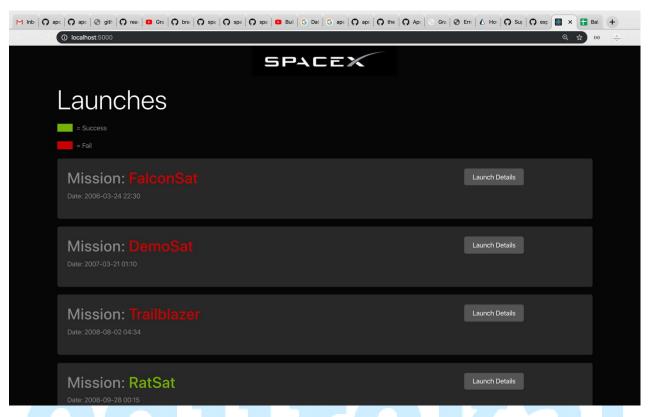
Step 4: Below schema create a component to receive the data.



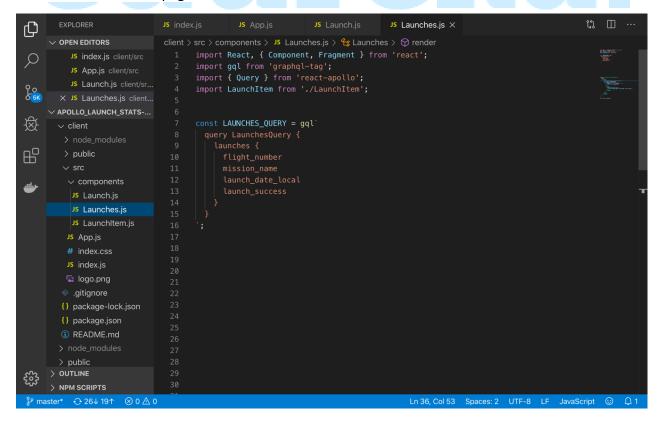
Step 5: Perform the data binding as shown below. Define all the variable as constant for which we want to receive the data.



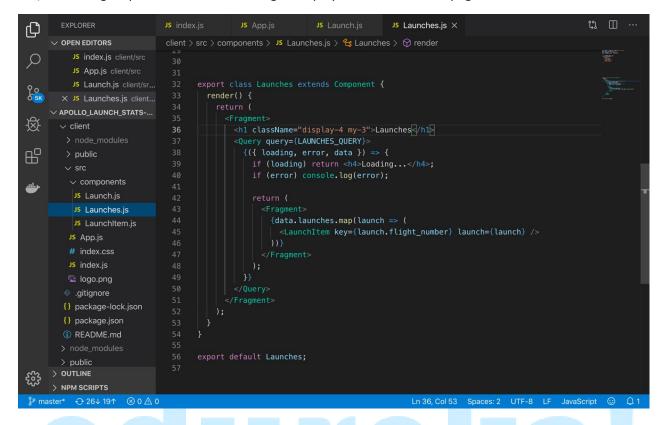
Step 6: Now when we check our output for the component it will show the all launches from the spaceX API call.



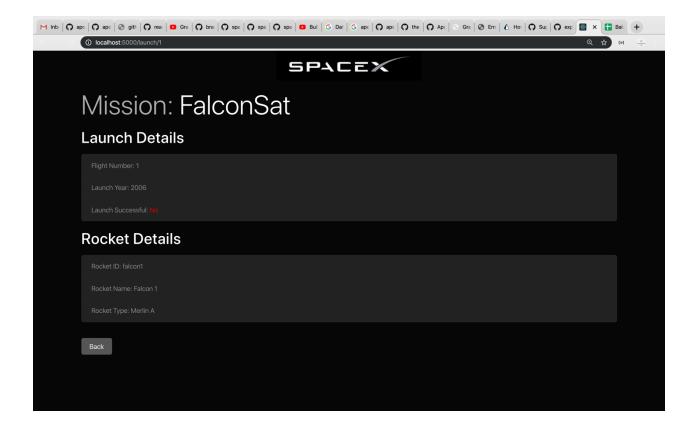
Step 7: Now for the next component we have to again create *gql schema* for rest of data collection for the next page.



Step 8: Now again perform the data binding to display the details of next page.



Step 8: For the next component we will receive the data for all the launches and its details, from the GraphQL API.



Conclusion:

We have successfully created an application using GraphQL and Apollo Client to fetch and display the space launch data.

