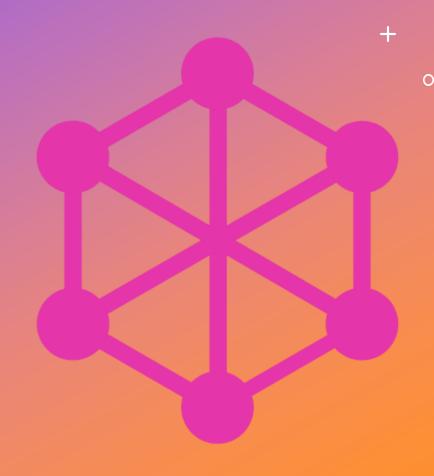
GRAPHQL NONNULL

in this GraphQL tutorial I'll introduce you to the GraphQL NonNull type, which will allow us to prevent users from making mutations without passing through any required fields.



```
shema.js
```

```
const graphql = require('graphql');
const Book = require('../models/book');
const Author = require('../models/Author');
const _ = require('lodash');
const {
    GraphQLObjectType,
    GraphQLString,
    GraphQLSchema,
                                                                  Insert
    GraphQLID,
                                                                  code
    GraphQLInt,
    GraphQLList,
    GraphQLNonNull
} = graphql;
```

shema.js

```
const Mutation = new GraphQLObjectType({
    name: 'Mutation',
    fields: {
        addAuthor: {
            type: AuthorType,
            args:
                name: { type: new GraphQLNonNull (GraphQLString) },
                age: { type: new GraphQLNonNull (GraphQLInt) }
            resolve(parent, args){
                let author = new Author({
                    name: args.name,
                    age: args.age
                                                                                                   Modify
                });
               return author.save();
                                                                                                   code
        },
        addBook: {
            type: BookType,
            args: {
               name: { type: new GraphQLNonNull(GraphQLString) },
                genre: { type: new GraphQLNonNull(GraphQLString) },
                authorId: { type: new GraphQLNonNull(GraphQLID) }
            resolve(parent, args){
                let book = new Book({
                    name: args.name,
                    genre: args.genre,
                    authorId: args.authorId
                });
               return book.save();
});
```

Go to http://localhost:4000/graphql

```
GraphiQl
                       Prettify
                                  Merge
                                                     History
                                            Copy
1 ▼ mutation{
      addAuthor(age: 20){
                                                   "errors": [
        age
                                                       "message": "Field \"addAuthor\" argument
4
5
                                                 \"name\" of type \"String!\" is required, but
                                                 it was not provided.",
                                                       "locations": [
                                                           "line": 2,
                                                           "column": 3
    QUERY VARIABLES
```

Go to http://localhost:4000/graphql

