Using Other Features



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Overview



Global Enumerations

Multiple Messages

Imports

Packages



Enumerations

```
message Customer {
   enum Type {
      REGULAR = 0;
                              var customer = new Customer();
      MEMBER = 1;
      SPONSOR = 2;
                              customer.setType(
                                  Customer.Type.REGULAR);
   Type type = 1;
```

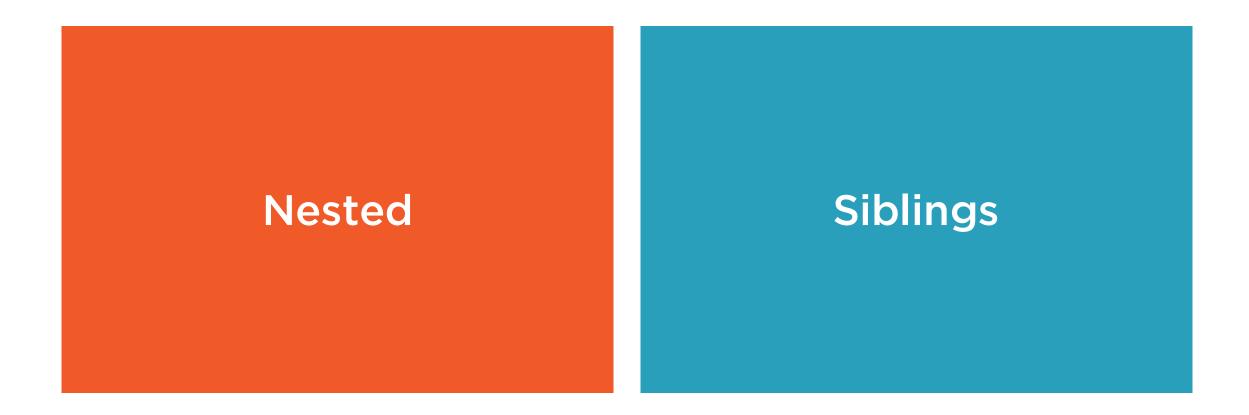


Enumerations

```
message Customer {
      CustomerType type = 1;
                              var customer = new Customer();
enum CustomerType {
   REGULAR = 0;
                              customer.setType(
   MEMBER = 1;
                                  CustomerType.REGULAR);
   SPONSOR = 2;
```



Multiple Messages





Nested Message Types

```
var customer = new Customer();
message Customer {
   message Address {
                              var address = new
                                 Customer.Address();
   repeated Address addresses = 1;
```



Sibling Message Types

```
message Customer {
   repeated Address
      addresses = 1;
                              var customer = new Customer();
message Address {
                              var address = new Address();
   string address = 1;
   string city 2;
```



Update demo to make address a sibling and enum global



Importing

customer.proto

```
import "address.proto";
message Customer {
   string name = 1;
   Address address = 2;
}
```

address.proto

```
message Address {
   string address = 1;
   string city = 2;
}
```



Move address to address.proto and update demo



Packages

customer.

import "./ad message Cust string nar Address ac

Global

Customer

Address

s.proto

```
ress {
dress = 1;
ty = 2;
```



Packages

Global

customer.

import "addr
message Cust
 string nar
 Address ac
}

customerdata

Customer

Address

s.proto

```
ress {
dress = 1;
ty = 2;
```



Packages

customer.proto

```
import "address.proto";
package customerdata;
message Customer {
   string name = 1;
   Address address = 2;
}
```

address.proto

```
package customerdata;
message Address {
   string address = 1;
   string city = 2;
}
```



Add packages to .protos



Summary



Global Enumerations

Multiple Messages

Imports

Packages

