

1 Protobuf Listing

Listing 1: Protocol Buffers message declaration using `protobuf/lang` and the style in `protobuf/style`.

```
1 package com.example.search;
2
3 import "myproject/other_things.proto";
4 import public "new_thing.proto";
5
6 // This file declares some protobuf messages. This comment ←
   is so long, that 'listings.sty' will break the line
7
8 message SearchRequest {
9     required string query          = 1;
10
11     // Which page number do we want
12     optional int32  page_number    = 2;
13
14     // Number of results to return per page
15     optional uint32 result_per_page = 3 [default = 10];
16
17     repeated int64  samples        = 4 [packed=true];
18
19     enum Corpus {
20         option allow_alias = true;
21         UNIVERSAL = 0;
22         WEB       = 1;
23         IMAGES    = 2;
24     }
25     optional Corpus corpus          = 5 [default = UNIVERSAL];
26 }
27
28 message Foo {
29     oneof thingy {
30         string name = 4;
31         bool  person = 5;
32     }
33
34     reserved 2, 15, 9 to 11;
35     reserved "foo", "bar";
36     extensions 1000 to max;
37 }
```