







<person>
 <name>PeyloW</name>
 <age>35</age>
</person>

NSXMLParser



```
<person>
    <name>PeyloW</name>
     <age>35</age>
</person>
```

if person then return a PEWPerson instance

person >> @root : PEWPerson



```
<person>
     <name > PeyloW < / name >
          <age > 35 < / age >
          </person>
```

if **name** then assign to **name** property

name >> name



```
<person>
     <name>PeyloW</name>
     <age>35</age>
</person>
```

if **age** then type cast and assign to **age** property

age >> age : NSNumber

```
<person>
     <name>PeyloW</name>
     <age>35</age>
</person>
```

```
<person>
     <name>PeyloW</name>
     <age>35</age>
</person>
```

```
person >> @root : PEWPerson {
  name >> name;
  age >> age : NSNumber;
}
```



Backus-Naur Form



Recursive Descent Parser

```
translation ::= source ">>" target { ":" transform }
source ::= XML-SYMB0L
- (id)parseTranslation {
   [self takeXMLSymbol];
   [self takeString:@">>"];
   [self parseTarget];
  if ([self tryString:@":"]) {
     [self parseTransform];
```

```
target ::= "@root" | keypath
keypath ::= OBJC-SYMBOL
- (void)parseTarget {
  if ([self tryString:@"@root"]) {
     [self addRootMarker];
  } else {
     [self takeKeyPathSymbol];
```

```
transform ::= class { "{" translation* "}" }
class ::= OBJC-SYMBOL
```

```
- (void)parseTransform {
    [self takeClassSymbol];
    if ([self tryString:@"{"]) {
        while (![self tryString:@"}"]) {
            [self parseTranslation];
        }
    }
}
```

NSScanner

An unsung hero of Foundation

+[NSScanner scannerWithString:]
-[NSScanner scanString:intoString:]
-[NSScanner scanCharactersFromSet:intoString:]
-[NSScanner scanInteger:]
-[NSScanner scanDouble:]



https://github.com/PeyloW/CWFoundation

```
[main]
debug = ON
[menu]
color = green
show-help = N0
```

```
ini-file ::= groups*
group ::= groupname setting*
groupname ::= "[" SYMBOL "]" "\n"
setting ::= SYMBOL "=" TEXT "\n"
```