

## Data base management related to album project

At the beginning of the album project a data base was set up. As the project became important I was hard to maintain code. It was time consuming. As a matter of fact at the beginning a data base management was thought but due limited space, environment the most important was to design it, code it.

Now it can be built because project is kinda stable.

The foundations

The data base consist of columns and lines.

Here is a draft of the bnf definition of the data base:

```
DataBase ::= ColumnName EOL (ColumnValue |
(ColumnValue EOL) *
)

ColumnName ::= (Name ColumnSeparator) * Name

ColumnValue ::= (Value ColumnSeparator) * Value

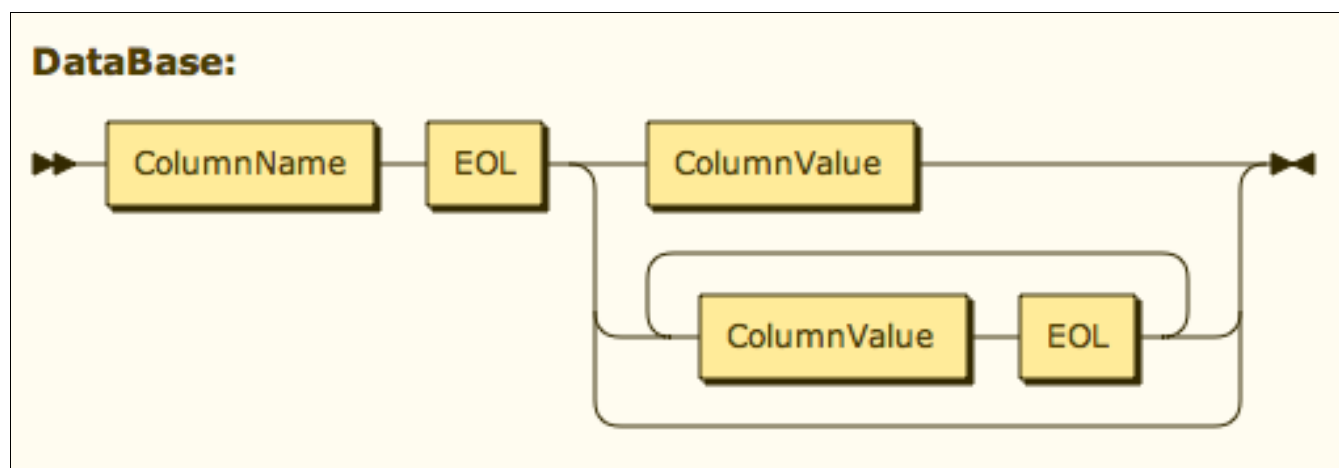
Name ::= [a-zA-Z][a-zA-Z0-9 ]+

Value ::= [a-zA-Z0-9]+

EOL ::= ('\r' '\n' ) | '\n'

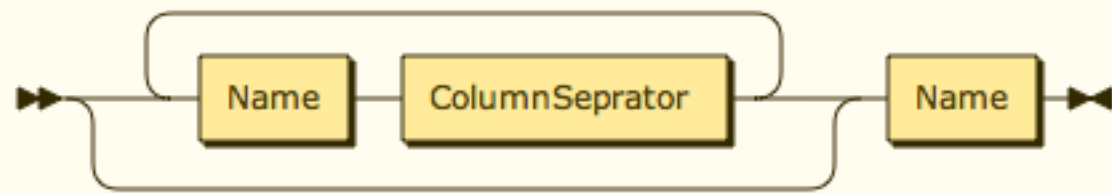
ColumnDSeparator ::= '||'
```

And this is the rail road diagram associated:



Rail road diagram associated to bnf

### ColumnName:



referenced by:

- DataBase

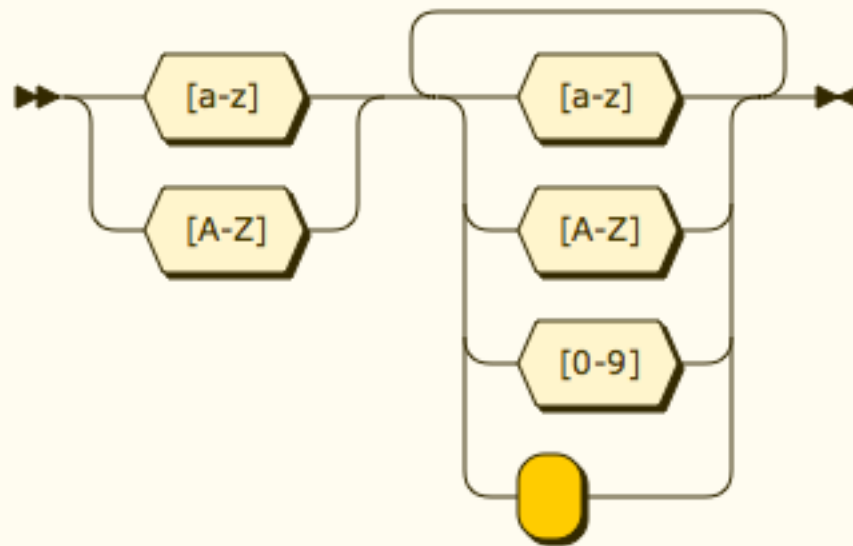
### ColumnValue:



referenced by:

- DataBase

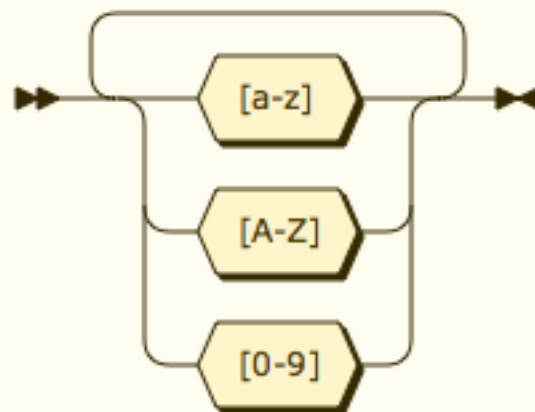
### Name:



referenced by:

- ColumnName

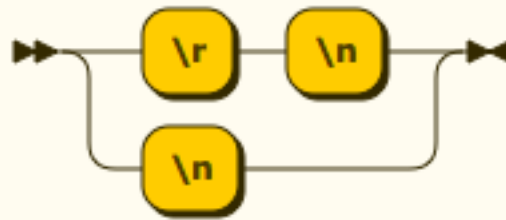
### Value:



referenced by:

- ColumnValue

### EOL:



referenced by:

- DataBase

### ColumnDSeparator:



no references

Ressources:

to make rail road drawings: <http://railroad.my28msec.com/rr/ui>