*LITSPEAK* PROGRAMMING LANGUAGE

ASSIGNMENT 5

60-214

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MARCH 30TH 2016

**LITSPEAK EBNF GRAMMAR**

mixtape = mixtape-verse {nochill-verse} fire-verse

;

mixtape-verse = ‘MIXTAPE’ flame ‘$’

;

nochill-verse = flame ‘(:‘ [formal-homies] ‘:)’ ‘:’ playa block

;

fire-verse =’FIRE’ block

;

flame = letter {letter|digit}

;

formal-homies = [formal-homie { ‘#’ formal-homie }]

;

formal-homie = streetname ‘:’ playa

;

playa = ‘BONES’ | ‘WORDONTHASTREET’ | ‘DAB’ | ‘PARTY’

;

streetname = ‘\_’ { letter | digit }

;

letter = ? ‘\_’ | ‘A’ – ‘Z’ | ‘a’ – ‘z’

;

digit = ? ‘0’ – ‘9’ ?

;

block = ‘TURNUP’ block-verse ‘DEAD’

;

block-verse = { track ‘$’ }

;

track = ( block

| local-dab-verse

| aka-track

| bounce-track

| check-track

| preach-track

| basegod\_call ) ‘$’

;

local-dab-verse = ‘DAB’ streetname ‘:’ [aka]

;

aka-track = streetname aka

;

aka = ‘AKA’ beat

| aka-check

| ‘AKA’ gittin-it

;

aka-check = WEAK

| WINNING

| ONMYLEVEL

| OTHERLEVEL

;

beat = beat hustle beat

| bones-literal

| streetname

| ‘(:‘ beat ‘:)’

| basegod\_call

| party-literal

;

basegod\_call = flame ‘(:‘ basegod-homies ‘:)’

;

basegod-homies = [ beat { ‘#’ beat } ]

;

party-literal = ‘LIT’

| ‘NOTLIT’

;

preach-track = ‘PREACH’ ‘(:’ wordonthastreet-verse ’:)’ ‘$’

;

gittin-it = ‘GITIT’ ‘(:’ %DAB ’:)’ ‘$’

;

wordonthastreetverse = “\”” {digit|letter} “\””

| wordonthastreetverse GETMONEY wordonthastreetverse

| streetname

;

bounce-track = ‘BOUNCE’ beat

;

//AMBIGUITY HERE

check-track = ‘CHECK’ lit-beat track check-track

| check-track ‘REK’ lit-beat track check-track

| check-track ‘YOSEWF’ track check-track

| ‘SON’

;

lit-beat = beat aka beat

| party-literal

;

hustle = ‘GETMONEY’

| ‘THROWMONEY‘

| ‘BALLOUT’

| ‘CUT‘

;

digits = digit {digit}

;

digit = ? 0 - 9 ?

;

bones-literal = digits

;

multi-comment = ~\* {letter|digit|\n|CR} \*~

;

single-comment = @{letter|digit}

;