

# Pollstr Grammar

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$\langle program \rangle ::= \langle decl \rangle^* \langle survey \rangle$   
 $\langle survey \rangle ::= \text{Survey } \langle upper \rangle : \langle meta \rangle (\langle section \rangle^* \mid \langle item \rangle^*)?$   
 $\langle meta \rangle ::= \langle title \rangle? \langle author \rangle? \langle description \rangle?$   
 $\langle section \rangle ::= \text{Section } \langle upper \rangle : \langle title \rangle \langle item \rangle^*$   
 $\langle delc \rangle ::= \langle questDelc \rangle \mid \langle respDecl \rangle$   
 $\langle respDecl \rangle ::= \text{Response } \langle lower \rangle = \langle respExp \rangle$   
 $\langle questDecl \rangle ::= \text{Question } \langle lower \rangle = \langle questExp \rangle$   
 $\langle respExp \rangle ::= \langle options \rangle \mid \text{Multi } \langle options \rangle \mid \text{Free } \langle natural \rangle$   
 $\langle options \rangle ::= [ (\langle stringLit \rangle) (, \langle stringLit \rangle)^* ]$   
 $\langle questExp \rangle ::= \langle stringLit \rangle$   
 $\langle item \rangle ::= \langle itemID \rangle : \langle question \rangle \langle response \rangle (\langle skipTo \rangle)^*$   
 $\langle question \rangle ::= \langle questExp \rangle \mid \langle lower \rangle$   
 $\langle response \rangle ::= \langle respExp \rangle \mid \langle lower \rangle$   
 $\langle skipTo \rangle ::= \text{skipTo } ( \langle itemID \rangle, \langle options \rangle )$   
 $\langle itemID \rangle ::= \text{Q} \langle alphaNum \rangle^*$   
 $\langle title \rangle ::= \langle stringLit \rangle$   
 $\langle upper \rangle ::= \langle identifier \rangle \text{ with capitalized first character}$   
 $\langle lower \rangle ::= \langle identifier \rangle \text{ with lowercase first character}$   
 $\langle stringLit \rangle ::= \text{As defined in Text.Parsec.Token}$   
 $\langle natural \rangle ::= \text{As defined in Text.Parsec.Token}$   
 $\langle identifier \rangle ::= \text{As defined in Text.Parsec.Token}$   
 $\langle alphaNum \rangle ::= \text{As defined in Text.Parsec.Char}$