

# Pollstr Grammar

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$\langle survey \rangle ::= \text{survey } \langle whitespace \rangle \langle upper \rangle \langle statement \rangle^* \langle section \rangle^* \text{end } \langle whitespace \rangle \langle upper \rangle$

$\langle statement \rangle ::= \langle decl \rangle \mid \langle item \rangle$

$\langle section \rangle ::= \text{section } \langle whitespace \rangle \langle lower \rangle \langle statement \rangle^* \langle section \rangle^* \text{end } \langle whitespace \rangle \langle lower \rangle$

$\langle delc \rangle ::= \langle questDelc \rangle \mid \langle respDecl \rangle$

$\langle respDecl \rangle ::= \text{response } \langle identifier \rangle = \langle respExp \rangle$

$\langle questDecl \rangle ::= \text{question } \langle identifier \rangle = \langle questExp \rangle$

$\langle respExp \rangle ::= \{ \langle stringLit \rangle (, \langle stringLit \rangle)^* \}$

$\langle questExp \rangle ::= \langle stringLit \rangle$

$\langle item \rangle ::= \langle itemID \rangle : \langle question \rangle \langle whitespace \rangle \langle response \rangle$

$\langle question \rangle ::= \langle questExp \rangle \mid \langle identifier \rangle$

$\langle response \rangle ::= \langle respExp \rangle \mid \langle identifier \rangle$

$\langle itemID \rangle ::= \text{Q} \langle lower \rangle$

$\langle upper \rangle ::= \langle identifier \rangle \text{ with capitalized first character}$

$\langle lower \rangle ::= \langle identifier \rangle \text{ with lowercase first character}$

$\langle stringLit \rangle ::= \text{As defined in Text.Parsec.Token}$

$\langle identifier \rangle ::= \text{As defined in Text.Parsec.Token}$

$\langle whiteSpace \rangle ::= \text{As defined in Text.Parsec.Token}$