

Pollstr Grammar

Jayme Woogerd

November 21, 2014

$\langle survey \rangle ::= \text{Survey } \langle upper \rangle : \langle title \rangle \langle decl \rangle^* (\langle section \rangle^* \mid \langle item \rangle^*)$

$\langle section \rangle ::= \text{Section } \langle upper \rangle : \langle title \rangle \langle item \rangle^*$

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

$\langle respDecl \rangle ::= \text{Response } \langle lower \rangle = \langle respExp \rangle$

$\langle questDecl \rangle ::= \text{Question } \langle lower \rangle = \langle questExp \rangle$

$\langle respExp \rangle ::= [(\langle stringLit \rangle) (, \langle stringLit \rangle)^*]$

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

$\langle item \rangle ::= \langle itemID \rangle : \langle question \rangle \langle response \rangle (\langle skipTo \rangle)$

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

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

$\langle skipTo \rangle ::= \text{skipTo } (\langle itemID \rangle, \langle response \rangle)$

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

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

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

$\langle stringLit \rangle ::=$ As defined in `Text.Parsec.Token`

$\langle identifier \rangle ::=$ As defined in `Text.Parsec.Token`

$\langle whiteSpace \rangle ::=$ As defined in `Text.Parsec.Token`