

Minimal Project Specification

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0.1 Minimal Grammar

$\langle \text{play} \rangle ::= \langle \text{defense} \rangle$
 $\langle \text{defense} \rangle ::= (\langle \text{box} \rangle, \langle \text{coverage} \rangle)$
 $\langle \text{box} \rangle ::= 34|43$
 $\langle \text{coverage} \rangle ::= \text{cover2}$

0.2 Minimal Semantics

Syntax	Abstract Syntax	Type	Meaning
"box"	Box of string	string	tells evaluator what the front 7 looks like i.e. how it should be represented in the svg file; stored as an F# primitive string data type
"coverage"	Coverage of string	string	tells evaluator what the coverage of the defense is i.e. how it should be represented in the svg file; stored as an F# primitive string data type
(box, coverage)	Defense of Box * Coverage	string * string	two-tuple consisting of a box and coverage that tells eval how to draw defense

Table 1: Semantics of data types.