Minimal Project Prototype Specification

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Syntax

```
<details>  ::= <ws> <color> <ws> <design> <ws> <sizespec> <ws> <size> <ws> <file>
<color>    ::= Gold | Silver | Black
<design>   ::= CatEars | Band
<size>     ::= 3 | 3.5 | 4 | 4.5 | ... | 13.5
<sizespec> ::= "in size"
<file>     ::= any string ending in ".txt"
<ws>       ::= ␣ | epsilon
```

Semantics

Syntax	Type	Meaning
Color	string	a primitive type representing the color setting for the ring - chosen from options in the grammar
Design	string	a primitive type representing the design setting of the ring - also restricted to those available in the grammar
Size	float	possible ring sizes including half sizes
Details	{ string,string,float,string }	a combined type holding dictionaries of the specifications given by the user - color, design, size, and file
File	string	a file entered is a string ending in ".txt". This file will be written to by the language with the information that will then be ported to autoCAD