MEDFORD Grammar

Liam Strand

⟨*comment*⟩ ::= from `#` to end-of-line

⟨*macro*⟩ ::= `` `@ `` ⟨*string-literal*⟩
| `` `@ `` {1*(⟨*string-literal*⟩ | ⟨*whitespace*⟩)}

⟨*LaTeX-literal*⟩ ::= `$$` ⟨*LaTeX*⟩ `$$`

⟨*text*⟩ ::= *((⟨*string-literal*⟩ | ⟨*LaTeX-literal*⟩ | ⟨*macro*⟩) ⟨*whitespace*⟩)
terminated by (`#` | `@` | `` `@ ``)

⟨*macro-def*⟩ ::= ⟨*macro*⟩ ⟨*whitespace*⟩ ⟨*text*⟩

⟨*minor-token*⟩ ::= ⟨*string-literal*⟩ (expected tokens defined in the spec)

⟨*data-prov-token*⟩ ::= `Data_Primary` | `Data_Copy` | `Data_Ref`
| `Code_Primary` | `Code_Copy` | `Code_Ref`
| `Paper_Primary` | `Paper_Copy` | `Paper_Ref`

⟨*major-token*⟩ ::= `Code` | `Comment` | `Contributor` | `Data` | `Date` | `Expedetion`
| `File` | `Funding` | `Keyword` | `Method` | `Paper` | `Software`
| `Species` | `Version`
| ⟨*data-prov-token*⟩
| ⟨*string-literal*⟩

⟨*linking-token*⟩ ::= `@`⟨*major-token*⟩ ⟨*text*⟩

⟨*metadata*⟩ ::= `@` ⟨*major-token*⟩ `-` ⟨*minor-token*⟩ ⟨*whitespace*⟩ ⟨*text*⟩

⟨*statement*⟩ ::= ⟨*metadata*⟩
| ⟨*comment*⟩
| ⟨*macro-def*⟩
| ⟨*empty*⟩

⟨*MEDFORD*⟩ ::= *⟨*statement*⟩

Notes:

- <*string-literal*> excludes whitespace
- <*linking-token*> must reference a major token that exists