## SDFormatParserl

- virtual void Initialize (const std::string file \_path, bool &success)=0
- virtual sdf::SDFPtr
- GetSDFElement()=0 virtual std::vector
- < sdf::ElementPtr >
- LookupElementsByAttributeType (const std::string &attribute\_type)=0
- virtual std::vector
  - < sdf::ElementPtr > LookupElementsByAttributeType
  - AndValue(const std::string
  - &attribute\_type, const std ::string &attribute\_value)=0
- virtual std::vector < sdf::ElementPtr >
- LookupElementsByType (const std::string &type)=0 virtual Mentions FindMentions
- (std::string key)=0 virtual Mentions FindMentions (std::string key, sdf::ElementPtr
- element\_to\_exclude)=0 virtual Mentions FindMentions (std::string key, sdf::ParamPtr attribute to exclude)=0
- virtual Mentions FindMentions (std::string key, sdf::ElementPtr element\_to\_exclude, sdf::ParamPtr attribute to exclude)=0
- virtual std::string GetSDFTreePathToElement (sdf::ElementPtr element)=0 virtual std::pair<
  - std::vector< ModelViewerl ::ModelInfo >, std::vector < ModelViewerl::PresetModelInfo > > GetModelsFromSDFTree(bool
    - render collisions=false)=0

## SDFormatParser sdf::SDFPtr sdfElement

- std::string sdf file path
- void Initialize(const
- std::string file\_path, bool &success) override
- sdf::SDFPtr GetSDFElement () override
- std::vector< sdf::Element Ptr > LookupElementsByAttribute Type(const std::string &attribute
- \_type) override
- std::vector< sdf::Element Ptr > LookupElementsByAttribute TypeAndValue(const std::string
- &attribute\_type, const std::string &attribute\_value) override
- std::vector< sdf::Element Ptr > LookupElementsInternal (const std::string &attribute
- \_type, const std::string &attribute \_value, sdf::ElementPtr scope, sdf
- ::ElementPtr scope\_to\_exclude) sdf::ElementPtr FindScope
- sdf::ElementPtr FindCanonical (sdf::ElementPtr element)
- std::vector< sdf::Element Ptr > LookupElementsByType (const std::string &type)
- Mentions FindMentions

override

- (std::string key) override **Mentions FindMentions**
- (std::string key, sdf ::ElementPtr element\_to \_exclude) override
  - and 8 more...