## SDFormatParserl

- (const std::string file

+ virtual void Initialize

- \_path, bool &success)=0
- + virtual sdf::SDFPtr
- GetSDFElement()=0
- + virtual std::vector
- < sdf::ElementPtr >
- LookupElementsByAttributeType
- (const std::string &attribute 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

## **SDFormatParser**

- sdf::SDFPtr sdfElement
- 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
- Mentions FindMentions
- (std::string key) override
- Mentions FindMentions (std::string key, sdf
  - ::ElementPtr element to exclude) override
- **Mentions FindMentions** (std::string key, sdf
- ::ParamPtr attribute\_to exclude) override

**Mentions FindMentions** 

- (std::string key, sdf ::ElementPtr element
- exclude, sdf::ParamPtr attribute\_to\_exclude) override
- std::string GetSDFTreePath ToElement(sdf::ElementPtr element) override