## Commandl

- + virtual bool Execute()=0
- + virtual bool ExecuteUndo()=0
- + virtual bool ExecuteRedo()=0
- Tireday book Exceeder(cdo()
- + virtual bool IsUndoable()=0
- + virtual bool IsRedoable()=0 + virtual bool IsThreaded()=0
- + virtual bool ChangesProgram
- + virtual bool ChangesProgram StateIrreversibly()=0

## ModifvElementCommand

- std::string file path
- std::shared\_ptr< GUII</li>gui
- std::shared\_ptr< SDFormat</li>
   Parserl > sdformatParser
- sdf::ElementPtr element
- \_to\_modify
   std::string new value
- std::string old\_value
- bool is\_currently\_undoable
- bool is\_currently\_redoable
- + ModifyElementCommand
- (std::shared\_ptr< GUII
  - > gui, std::shared\_ptr
    < SDFormatParser! > sdformatParser.
  - sdf::ElementPtr element\_to\_modify,
    std::string new value)
- bool Execute() override
- bool ExecuteUndo()
  - override
     bool ExecuteRedo()
- override
- bool IsUndoable() override
- bool IsRedoable() override
- bool IsThreaded() override
- bool ChangesProgramState Irreversibly() override