CommandFactoryI

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+ virtual std::unique
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ptr< Commandl > MakeOpenFile $\overline{C}_{ommand()=0}$

+ virtual std::unique ptr< Commandl > MakeDelete

ElementCommand(sdf::ElementPtr

element to delete)=0 + virtual std::unique

ptr< Commandl > MakeAddElement

element, sdf::ElementPtr new

element)=0 + virtual std::unique

ptr< Command()=0 + virtual std::unique ptr< Command()=0

+ virtual std::unique ptr< CommandI > MakeSaveFile

 \overline{C} ommand()=0 + virtual std::unique ptr< CommandI > MakeModify

ÄttributeCommand(sdf::ParamPtr attribute to modify, std::string new value)=0 + virtual std::unique ptr < Commandl > MakeModify

ElementCommand(sdf::ElementPtr element to modify, std::string new value = 0

+ virtual void PushToUndoCommands Stack(std::unique ptr< Commandl > command, const bool new change=true)=0

 virtual void PushToRedoCommands Stack(std::unique ptr< CommandI

> command)=0 + virtual void ClearUndoRedo Stacks()=0

virtual void Initialize (std::shared ptr< GUII

> gui, std::shared ptr < SDFormatParserl > sdformatParser)=0