**CSSE 413: Artificial Intelligence**

Rudimentary NLP Lab Manual

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1. [30 pts] Please describe what sentences your robot can successfully parse.

Same in the requirement, my system can process:

I stored the sentence in a Semantic Graph and passed the graph (and) root in specific processing function for the corresponding type of root.

1. 5 one-word commands, including: "left," "right," "up," "down" and "clean"

When I typed “left”, it will go left.

When I typed “right”, it will go right.

When I typed “up”, it will go up.

When I typed “down”, it will go down.

When I typed “clean”, it will clean the tile if the tile is dirty.

1. Small phrases that include the directions. For example,

"Move right," "Go right," "Move right please" and "Please move right."

“Please clean”

“Get to right”

“Robot, go right”

“Robot, please clean.”

1. Only return actions, if the instruction makes sense.

For example, if the user enters "Pick up right" then DO\_NOTHING should be returned.

Same as “Jump to right” and “Dance to right”

1. All the procession must be accomplished by processing the SemanticGraph object as well as its derivations as returned by the Stanford Parser. You are not permitted to process the String returned by the Scanner, except for what is in the given code, i.e. to have the parser produce a SemanticGraph object from it.