**Comp3000 Assignment**

**Virtual Assistant Project**

**Stage 1 – Initial Research Phase**

Speech Recognition

This section is for researching whether to implement the speech recognition from scratch vs using pre made functionality

From scratch

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| Pros | Cons |
| Deeper development stage | Very large in scope |
| Better understanding of the software | Needs to work for a large variety of voices, accents, pronunciation |
|  | Very time consuming |
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Functionality

Three development goals: Core, Desired Functionality, Extended Functionality

Core

The minimum viable product for the project. Contains speech recognition; GUI; speech to text writing; saving commands to database.

Desired functionality

Application opener; web search functionality; text to speech responses; learning from answers; asking for user’s name and responding with it;