AN INVESTIGATIONINTO VOICE-CONTROLLED WEB BROWSING FOR THE ELDERLY

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**Abstract:**

**Key words:** Four to six key words in alphabetical order, separated by commas.

# Introduction

# BACKGROUND

# APPLICATION SPECIFICATIONS

## Requirements

* The application will consist of voice-controlled commands and browser navigation.
* Existing voice recognition libraries will be utilised.
* The application will be designed to illustrate and identify efficient referencing techniques for web browsing.
* Various feedback techniques will be considered to assist users.
* The application will be compatible across web browsers.

## Constraints and assumptions

* All elderly people are not computer literate.
* The web application will only be deployed in Mozilla Firefox as certain JavaScript functions used for voice navigation are not supported in other web browsers.
* The project design and implementation is limited to 8 weeks.
* Difficulty in finding elder users to test that are willingly and have sufficient hearing, vision and hand mobility.

The following assumptions are presumed:

* Elderly users have adequate vision to use the computer application.
* The application will be locally hosted.

## Success criteria

* Determine which referencing technique performs best for web browsing for the elderly.
* Determine which technique is preferred for different types of web browsing for the elderly.
* Feedback techniques which assist users during browsing are determined.

# APPLICATION STRUCTURE

# TESTING

# TIME MANAGEMENT

# ANALYSIS

# IMPROVEMENTS/ RECOMMENDATIONS

# CONCLUSION

References