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|  | Tech Immersion and Placement Programme  Applied Artificial Intelligence  6 January – 7 April 2020  Project Capstone Report  Submitted By:  Eugin Lee Yu Jun  Koay Seng Tian |

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# Background

Blah blah blah

## Background (1.1)

Blah blah blah

# Methodology and Design

Blah blah blah

## Software Data Flow

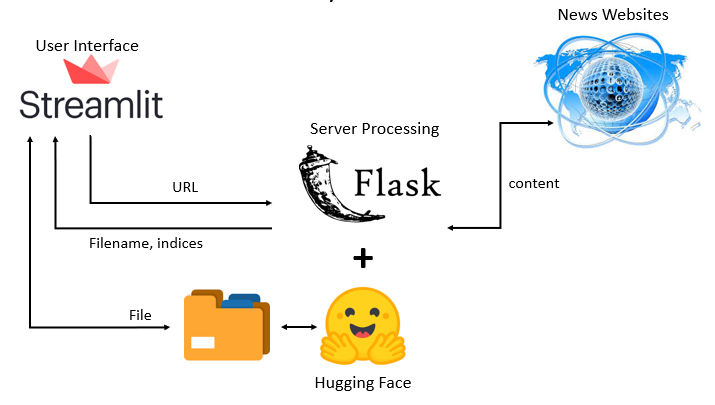


Figure 1 Data Flow

The software is developed using available open-source application frameworks (Streamlit, Flask) and Hugging Face BERT/Transformer model. The software is developed using Python scripting language.

Streamlit architecture is based on the ability to write web application the same way a plain Python scripts is written. Streamlit applications have a unique data flow. Any time something must be updated on the screen (for example, the application responding to a button is pressed), Streamlit will just rerun the entire Python script from top to bottom.

This will pose a challenge for the application developer because it is not implemented as a 'callback', like most web applications will perform. Some of these quirks can be modified using Streamlit's cache decorator (streamlit@cache) which allows developers to skip certain costly computations when the application reruns. Such modification, some time will not work sensibly.

# Findings

Blah blah blah

## Findings (3.1)

# Evaluation and Analysis

Blah blah blah

## Evaluation and Analysis (4.1)

Blah blah blah

# Results

Blah blah blah

## Results (5.1)

Blah blah blah

# Conclusion

Blah blah blah

## Conclusion (6.1)

Blah blah blah

# Recommendations

Blah blah blah

## Recommendations (7.1)

Blah blah blah

# Appendices

Blah blah blah

## Appendices (8.1)

Blah blah

# References

Blah blah blah

## References (9.1)

Blah blah blah