

Spring Midterm Progress Report

Expo Pitch

WYSIWYG

What You See Is What You Get:

- Simple
- Easy to learn
- Easy to use
- Accessible
- Vital to our project
- Removing complexity

TensorFlow

What is TensorFlow?:

- Open source software library for numerical computation
- Developed by the Google Brain Team
- Not just limited to machine learning

Graphical User Interface

Assigned Tasks:

- The Graphical User Interface is built using a Python graphics library called Kivy
- · experienced problems in previous terms (lack of documentation)
- · lots of headway these past few weeks
- · most important was implementation of channels, allowing us to compile data from multiple block structures
-

Problems / Solutions

Assigned Tasks:

- Schedule meeting with Dr. Li for finals week
- Complete Design document
- Begin recordings for presentation
- Begin Progress report

Turnout:

- Mockups finished and added
- Design Document signed and submitted
- Powerpoints developed
- Video produced

Code Requirements

WYSIWYG

Problem:

- Varying ideas about the implementation of the project
- Arbitrary design requirements

Solution:

- Multiple meetings with Dr. Li to discuss overall project design
- Mock up design demonstrating understanding

Python / Kivy

Problem:

- Varying ideas about the implementation of the project
- Arbitrary design requirements

Solution:

- Multiple meetings with Dr. Li to discuss overall project design
- Mock up design demonstrating understanding

Solution Building

Problem:

- Varying ideas about the implementation of the project
- Arbitrary design requirements

Solution:

- Multiple meetings with Dr. Li to discuss overall project design
- Mock up design demonstrating understanding

TensorFlow

Problem:

- Varying ideas about the implementation of the project
- Arbitrary design requirements

Solution:

- Multiple meetings with Dr. Li to discuss overall project design
- Mock up design demonstrating understanding

Purpose and Goals

Current Status

Chosen Technologies for development:

Framework: Kivy

Language: Python

Supported OS's: Linux, MacOS, Windows

What Is Left

Chosen Technologies for development:

Framework: Kivy

Language: Python

Supported OS's: Linux, MacOS, Windows

Problems / Solutions

Chosen Technologies for development:

Framework: Kivy

Language: Python

Supported OS's: Linux, MacOS, Windows

Interesting Code

Chosen Technologies for development:

Framework: Kivy

Language: Python

Supported OS's: Linux, MacOS, Windows

Conclusion

Thank You

