**Workshop Minutes**

The following is the summary of the Workshop done on October 17.

**Project Discussion:**

CONFIRMING AND REFINING IDEA:

Game in Twine

* Dungeon setting
* Wake up at the bottom floor
* The game is about trying to escape
* The player can put together clues to figure out what’s going on
* NLP planning using HMM
* <https://arxiv.org/pdf/2406.13892>
  + Help make the game
  + Since we can guarantee the output follows some given restraints

BIG IDEA BEHIND PROJECT:

Potential to use NLP in games, and other applications

ASSIGNING ROLES FOR PROJECT:

Assign each part to a person, however each member will know all aspects of the project and we will work together on all parts.

* Writing story - Sim
* NLP and HMM coding - Ngan
* Creating the Twine game - Angad
  + Look into scoring, health bars, etc. for interactive (combat)
  + Inventory system

**Midterm Discussion:**

SLIDES AND VIDEO PRESENTATION:

Slides Presentation for Midterm: <https://docs.google.com/presentation/d/1oNrjGqU1IUrsHlovUYw412SlOwWYwljIzyej6PtqgDc/edit?usp=sharing>

KEY POINTS:

* Format for slides, title on left and content on right
* Uniform template
* 3 slides total, one slide for each person
* 4 minute recording

INSTRUCTIONS:

1. Each member posts a video on Youtube
2. Playlist is created containing all videos
3. Playlist posted to Blackboard Discussion

DIVIDING MIDTERM WORK:

Dividing the slides/recording into 3 parts:

1. What, Why: Introduction, background of NLP and use in games, why we want to do this, etc. – Sim
2. How: do we plan to implement it (Twine, NLP implementation) – Ngan
3. Afterwards: Extra details (breakdown of work, sharing work) and future after project is completed, other applications– Angad
   1. Adding more storyline, creating Godot game with player live interaction with model through network. If the model can guarantee constraints then this NLP can be used in other applications such as Student Planning, Job Search

Creating Playlist and Posting on Blackboard: Simranjit

**FINISH ALL VIDEOS BY TUESDAY EVENING!**

**Meeting Times Outside of Class:**

Frequency:

* Every Wednesday evening around 7 pm
* Discord

Duration

* Depending on what each of us is working and if any of us needs any help.
* Otherwise just quick check in (Length: 5 mins to as long as needed)

**Plan:**

OCTOBER 17 - 31: (NEXT TWO WEEKS)

Sim:

* Work on pitch for midterm
* Create a rough outline of the story

Ngan:

* Work on pitch for midterm
* Look into NLP development and training of the model

Angad:

* Work on pitch for midterm
* Look into Twine, inventory, health, scoring creation
  + Can we all work on it together? One account, shared passwords?

NOVEMBER TO DUE DATE:

Work on NLP HMM model and Twine game.