**Todo List**

Reds are must do and urgent.

Blues are important but can be done later.

For the task you are working on, write your name next to it.

**Setup and Initial Development**

**Backend Microservices**

* + Setup X’s API
    - Keyword search
    - Reply to post
  + Setup Specialized Language Model (SLM)
    - Keyword Extraction
    - Vectorize the tweets
  + Code vector database
  + Setup Grok API
    - Prompt engineering development
      * Tell a single coherence story from the tweets
      * Subvert the tweet
      * Tell a single coherence story from the subverted tweets
  + Testing of each component

**Connect Backend System Pipeline**

* + Setup compute infrastructure.
    - Test latency
  + Testing of whole system

**Frontend Development**

* **UI design requirements**
  + Need to have examples for demo
  + Need to have clean interface
    - Logo design
    - Frontend Icons
    - Clean style and format
    - Display of stats
  + Live interaction demo
  + Smooth animation for each action
  + Testing of each component

**Integration and Testing**

* Verify integrated system functionality
* Bug testing and resolution

**Documentation and Deployment**

* **Code Management and Documentation** 
  + Upload code to GitHub
  + Organize a team meeting to explain contributions
  + Write README.md including:
    - Description of our feature
    - Package management (library versions, installation, and running instructions)
  + Ensure the final version is functional
  + Annotate with comments for a clean codebase
  + Setup licensing
  + Final submission preparation

**Presentation Preparation**

* + Create PowerPoint presentation
    - Introduce team members’ backgrounds
    - Include member’s photos
    - Show member’s contact info
  + Outline motivation/storytelling of our feature
    - Set clear objectives
    - Storytell X’s history, why the feature makes sense.
    - Research competitor
    - Highlight innovations
  + Integrate the demo within the presentation
  + Practice presentation and time it

**User Experience and Feedback**

* **User Testing (UX)**
  + Conduct initial user testing
    - Gather user feedback
    - Record user’s reaction
  + Refine features based on feedback
  + Incorporate improvements into the final presentation

**Miscellaneous Tasks**

* **Team Management and Meetings** 
  + Schedule periodic meetings to check on progress
  + Allocate resources where needed
  + Make sure everyone is alive and hydrated
* **Communicate with X’s engineers**
  + Introduce our feature to them
  + Solicit feedback and ask for assistance

**Note: Remind teammates to bring ID and CV**

* **Stefan**
* **Soham**
* **Hung**
* **Neo**
* **Shiva**