<u>Todo List</u>

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
    - ☐ Find User post
    - ☐ 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**