

A Dog's Dream

David Chen, Abdullah Faruque, Daniel Jung

Proposal:

- We are making an emulation of **Windows 95** in Processing
- We are also going to include default Windows apps such as calculator, MS Paint, Notepad
 - Also stuff like error dialogs, windows explorer
- Troll virus as an easter egg
- Also windows taskbar and context menus

Plan:

- Create the lock screen and password login screen
 - Password can either be "Thinkeren" or any random combination of letters
- Include animation for the opening of apps?
- Allow for the dragging of windows
- Start with primitive prototype in processing since we can't really have a demo in the terminal

App and Classes:

- TicTactics:
 - A simple 2-D tic-tac-toe game where you can play against the computer
 - Possibly use knowledge from Knight's Tour to develop a strategy for the computer
- Calculator:
 - A simple four operation calculator
 - Use stacks to do the operations
 - Use arrays to store into variables?
- MS Paint:
 - A drawing application, takes into mouse location and clicks
- Notepad:
 - Allow for basic text editing
 - Allow for bolding and highlighting
- Music player
 - Play preselected songs
- Context menus
- We can also save the files and folders created by the user by using `saveJSONArray()`. We can use this to save state and allow for persistent storage
- File explorer
 - Add realistic path exploration and stuff like `%USERDATA%` and Program Files