WEEKLY REPORT and MEETING AGENDA

Report #: 1
Date: 9/26

Project Name: MIKey
Prepared by: MIKey Team

Agenda for the meeting

1. Introductions
2. Technical findings
3. Plans for the rest of the sprint
4. Discuss Issues/Roadblocks

Overall accomplishments since last meeting

1. Ordered Raspberry Pi Zero and Keyboard Switches
2. Trie / Node skeleton code

Tasks completed by each team member since last meeting

Task description	Assigned to	Completed?
Trie / Node Skeleton Code	Jackson	Yes
Setup Jira / GitHub	Brittany, Jackson, Abhishek	Yes
Ordered Hardware	Abhishek	Almost
Decide Necessary Keys	Everyone	Yes
Trie constructor	Jackson	Yes
Get raw input from GPIO	Brittany	No
Design keyboard matrix circuitry	Max, Andrew	Almost
Auto-complete trie traversal prototype	Connie	Almost

Plans for next period

1. Wrap up some of the software
2. Start driver program
3. Begin 3D modeling
4. Continue circuit design and planning

Task assignment per team member (to be completed before the next meeting)

Task description	Assigned to
Trie traversal / candidate finder	Jackson, Connie, Brittany
Model Keycap	Andrew
Keycap Sizing Research	Andrew
Add debouncing circuitry to keyboard matrix	Max

Finalize Keyboard Layout	Andrew
Research USB handshake with OS	Connie

Project management status

1. Everyone has participated in meetings and contributed to the project.
2. All members have shared technical / non-technical roles.
3. Jira board is up to date and GitHub is integrated
4. Team has begun sprint 1

Minutes from previous meeting

Team walked through how to best design the keyboard layout (what keys to include and what can be removed). The team worked to order parts as well. The team had a conversation on how best to implement the Trie and Node data structures and a method was found that allows for O(1) access time when obtaining the next node.