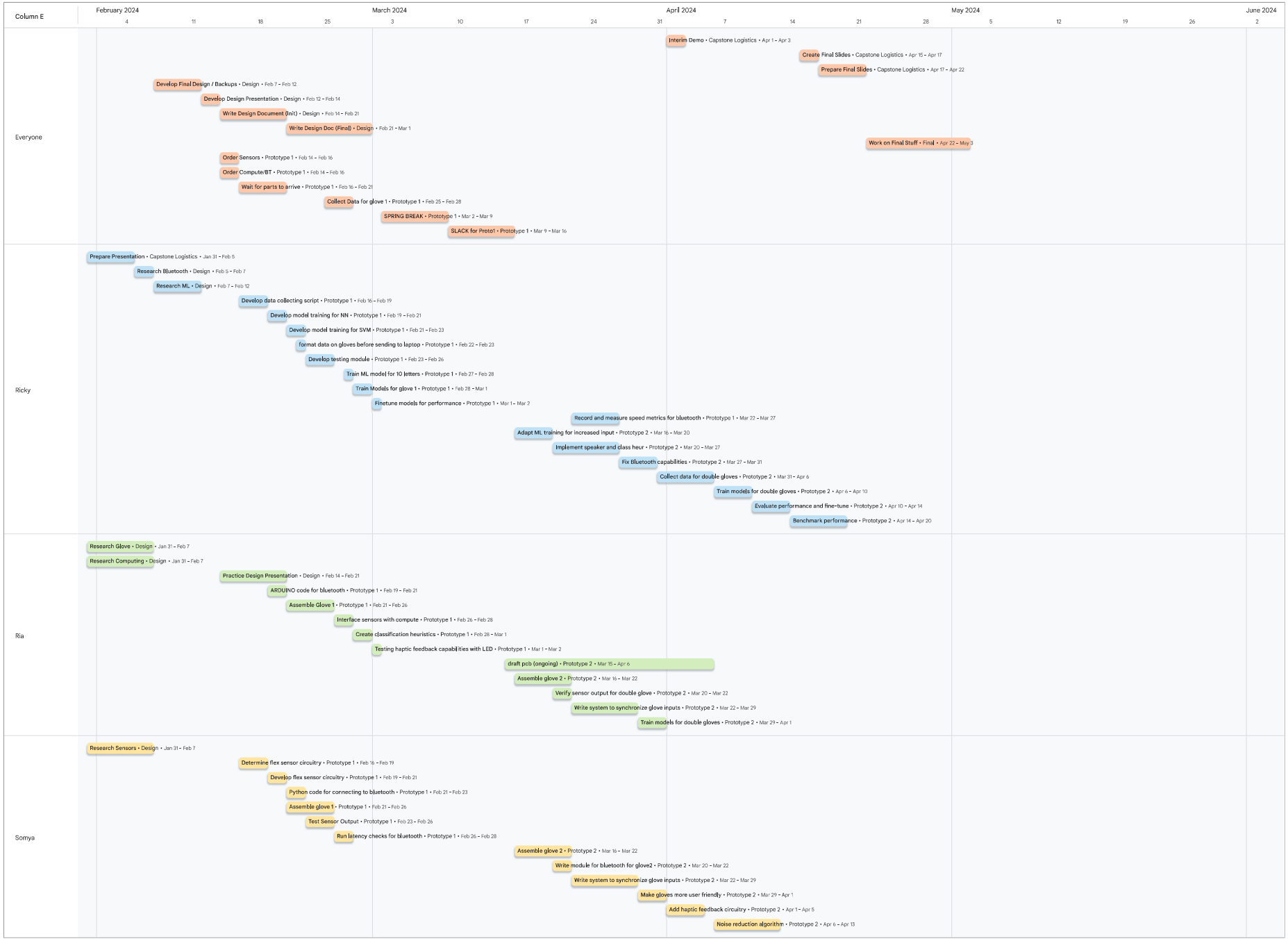
Column E
February 2024
March 2024
April 2024
May 2024
June 2024
4
11
18
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31
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14
21
28
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12
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26
2
Everyone
Interim Demo • Capstone Logistics • Apr 1 – Apr 3
Create Final Slides • Capstone Logistics • Apr 15 – Apr 17
Prepare Final Slides • Capstone Logistics • Apr 17 – Apr 22
Develop Final Design / Backups • Design • Feb 7 – Feb 12
Develop Design Presentation • Design • Feb 12 – Feb 14
Write Design Document (Init) • Design • Feb 14 – Feb 21
Write Design Doc (Final) • Design • Feb 21 – Mar 1
Work on Final Stuff • Final • Apr 22 – May 3
Order Sensors • Prototype 1 • Feb 14 – Feb 16
Order Compute/BT • Prototype 1 • Feb 14 – Feb 16
Wait for parts to arrive • Prototype 1 • Feb 16 – Feb 21
Collect Data for glove 1 • Prototype 1 • Feb 25 – Feb 28
SPRING BREAK • Prototype 1 • Mar 2 – Mar 9
SLACK for Proto1 • Prototype 1 • Mar 9 – Mar 16
Ricky
Prepare Presentation • Capstone Logistics • Jan 31 – Feb 5
Research Bluetooth • Design • Feb 5 – Feb 7
Research ML • Design • Feb 7 – Feb 12
Develop data collecting script • Prototype 1 • Feb 16 – Feb 19
Develop model training for NN • Prototype 1 • Feb 19 – Feb 21
Develop model training for SVM • Prototype 1 • Feb 21 – Feb 23
format data on gloves before sending to laptop • Prototype 1 • Feb 22 – Feb 23
Develop testing module • Prototype 1 • Feb 23 – Feb 26
Train ML model for 10 letters • Prototype 1 • Feb 27 – Feb 28
Train Models for glove 1 • Prototype 1 • Feb 28 – Mar 1
Finetune models for performance • Prototype 1 • Mar 1 – Mar 2
Record and measure speed metrics for bluetooth • Prototype 1 • Mar 22 – Mar 27
Adapt ML training for increased input • Prototype 2 • Mar 16 – Mar 20
Implement speaker and class heur • Prototype 2 • Mar 20 – Mar 27
Fix Bluetooth capabilities • Prototype 2 • Mar 27 – Mar 31
Collect data for double gloves • Prototype 2 • Mar 31 – Apr 6
Train models for double gloves • Prototype 2 • Apr 6 – Apr 10
Evaluate performance and fine-tune • Prototype 2 • Apr 10 – Apr 14
Benchmark performance • Prototype 2 • Apr 14 – Apr 20
Ria
Research Glove • Design • Jan 31 – Feb 7
Research Computing • Design • Jan 31 – Feb 7
Practice Design Presentation • Design • Feb 14 – Feb 21
ARDUINO code for bluetooth • Prototype 1 • Feb 19 – Feb 21
Assemble Glove 1 • Prototype 1 • Feb 21 – Feb 26
Interface sensors with compute • Prototype 1 • Feb 26 – Feb 28
Create classification heuristics • Prototype 1 • Feb 28 – Mar 1
Testing haptic feedback capabilities with LED • Prototype 1 • Mar 1 – Mar 2
draft pcb (ongoing) • Prototype 2 • Mar 15 – Apr 6
Assemble glove 2 • Prototype 2 • Mar 16 – Mar 22
Verify sensor output for double glove • Prototype 2 • Mar 20 – Mar 22
Write system to synchronize glove inputs • Prototype 2 • Mar 22 – Mar 29
Train models for double gloves • Prototype 2 • Mar 29 – Apr 1
Somya
Research Sensors • Design • Jan 31 – Feb 7
Determine flex sensor circuitry • Prototype 1 • Feb 16 – Feb 19
Develop flex sensor circuitry • Prototype 1 • Feb 19 – Feb 21
Python code for connecting to bluetooth • Prototype 1 • Feb 21 – Feb 23
Assemble glove 1 • Prototype 1 • Feb 21 – Feb 26
Test Sensor Output • Prototype 1 • Feb 23 – Feb 26
Run latency checks for bluetooth • Prototype 1 • Feb 26 – Feb 28
Assemble glove 2 • Prototype 2 • Mar 16 – Mar 22
Write module for bluetooth for glove2 • Prototype 2 • Mar 20 – Mar 22
Write system to synchronize glove inputs • Prototype 2 • Mar 22 – Mar 29
Make gloves more user friendly • Prototype 2 • Mar 29 – Apr 1
Add haptic feedback circuitry • Prototype 2 • Apr 1 – Apr 5
Noise reduction algorithm • Prototype 2 • Apr 6 – Apr 13