

Time Spent At Wednt Commons 4th Floor

8:55 class begins

9:45 class ends

exercise opens early
before class starts

room opens for all
students

Professor

TA

**Current In-Class
Students (30-50)**

**Previous In-Class
Students**

Other Students

instructions

professor going to group tables and answering questions

no more questions so leaves

answering questions

TA going to group tables and answering questions

leaves

taking exercise and asking questions

finishes

helps

leaves

taking exercise and asking questions

finishes

helps

leaves

taking exercise and asking questions

leaves

start exercise early

taking and exercise asking questions

students stay to study

study finishing exercise and preparing to leave

make space for table groups and leave

leaves friend

students arrive to study

8:30

8:40

8:50

9:00

9:10

9:20

9:30

9:40

9:50

10:00

Time in A.M. (hour: min min)

Group 1

Group 2

1st Table

2 members using
laptops. 1 person using
an iPad

16:00

16:10

16:20

16:30

16:40

16:50

17:00

17:10

All 3 members are using
their laptops

Start to pack up and
leave



Member 1

Member 2

Member 3

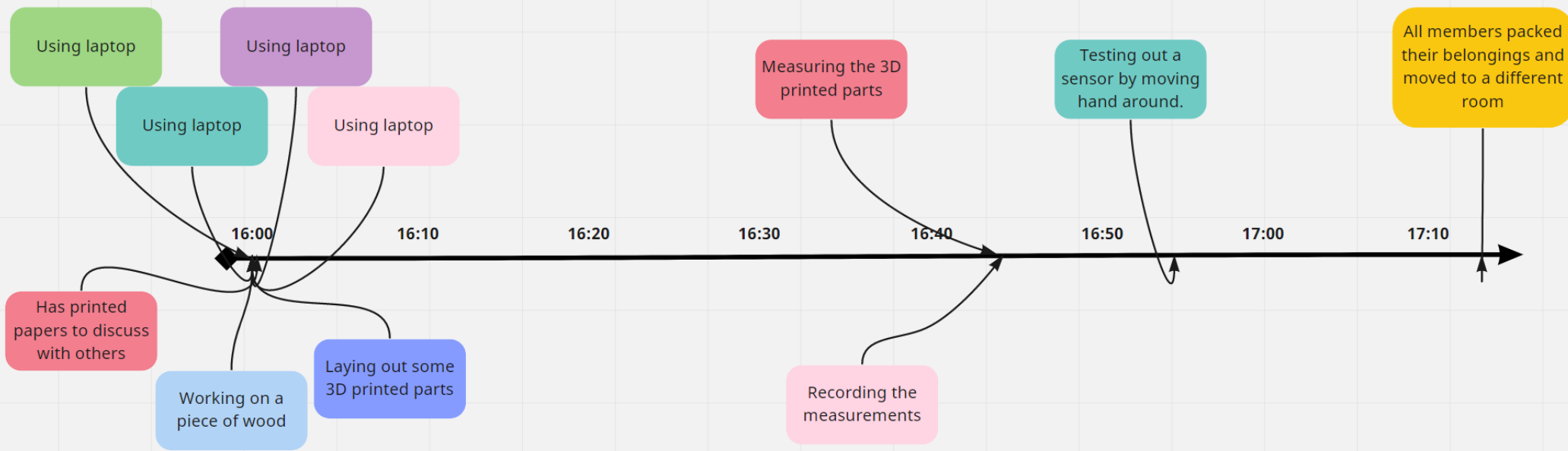
Member 4

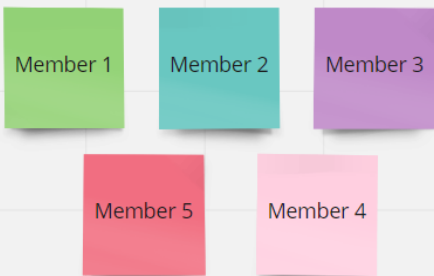
Member 5

Member 6

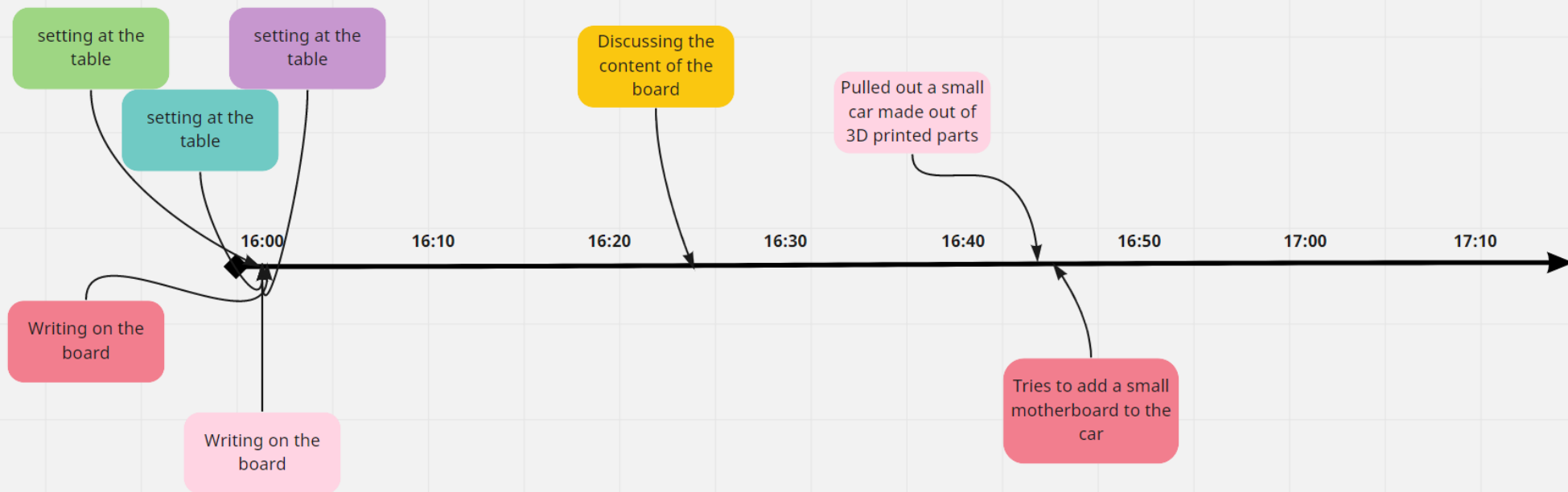
Member 7

2nd Table





3rd Table



Mental Model of Starting In-Class Exercise

Model based on video coding of participant while collecting Field Notes.

○ = fast | ● = moderate | ● = slow

goal : start in-class exercise

task time:

- goal : login into CAE laptop
 - goal : acquire CAE laptop
 - **grab** laptop ●
 - **move** laptop ●
 - **open** laptop ●
 - **press** turn on button (if off) ● (laptop bootup)
 - goal : login into CAE account
 - **type** 'Ctrl,' 'Alt,' 'Delete' anywhere ○
 - **move** cursor to username textbox ●
 - **type** username in username textbox ●
 - **type** 'Tab' in username textbox ●
 - **type** password in password textbox ●
 - **type** 'Enter' in password textbox ● (CAE login)
- goal : open course website
 - goal : open Google Chrome
 - **move** cursor to Windows Start button ●
 - **click** Windows Start button ○
 - **type** 'G' ○
 - **move** cursor over Google Chrome tab ○
 - **click** Google Chrome tab ○
 - goal : navigate to Course Website
 - goal : navigate to Canvas homepage
 - **move** cursor to Google Search textbox ○
 - **type** 'G' ○
 - **move** cursor to highlighted Canvas URL text ○
 - **click** highlighted Canvas URL text ○
 - goal : navigate to Course Website
 - **move** cursor to Dashboard ●
 - **click** Dashboard ●
 - **move** cursor over text link of class's title ● (classes to populate)
 - **click** text link of class's title ○
- goal : open in-class exercise
 - goal : select in-class exercise
 - **scroll** to bottom of page ●
 - **move** cursor to text link of in-class exercise's title ●
 - **click** text link of in-class exercise's title ●
 - goal : press start button
 - **move** cursor over the 'Start Activity' button ○
 - **click** the 'Start Activity' button ○