Team Covalence

TED LI

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LOGAN SHORT

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The Atom Map

a visual, mobile workspace

The Atom Map

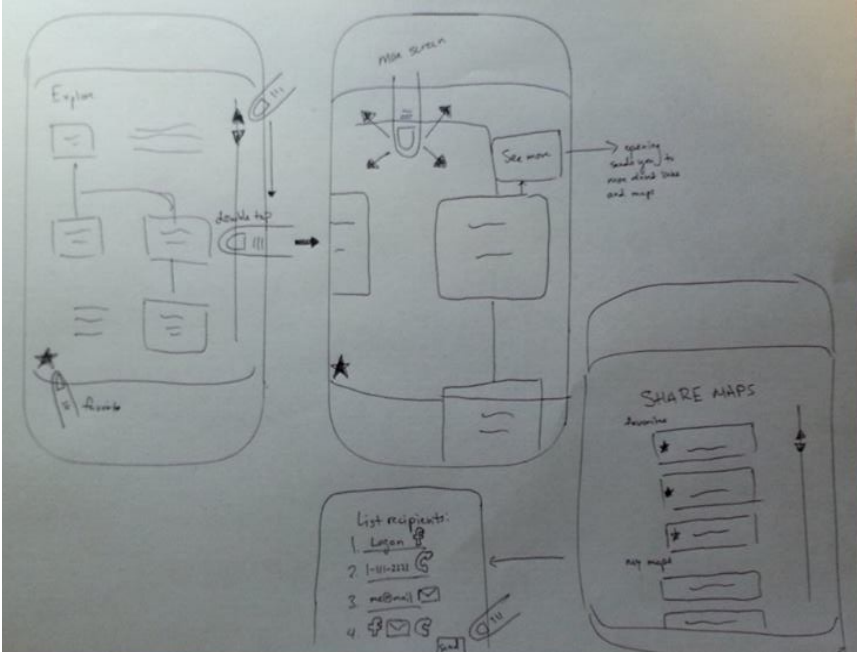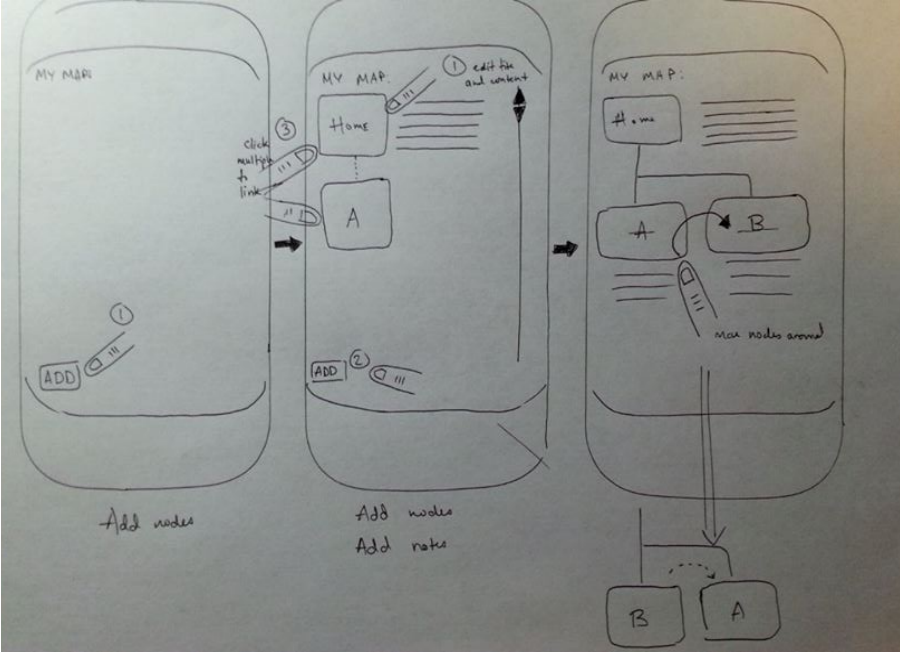Organize your thoughts, share your ideas, connect your world
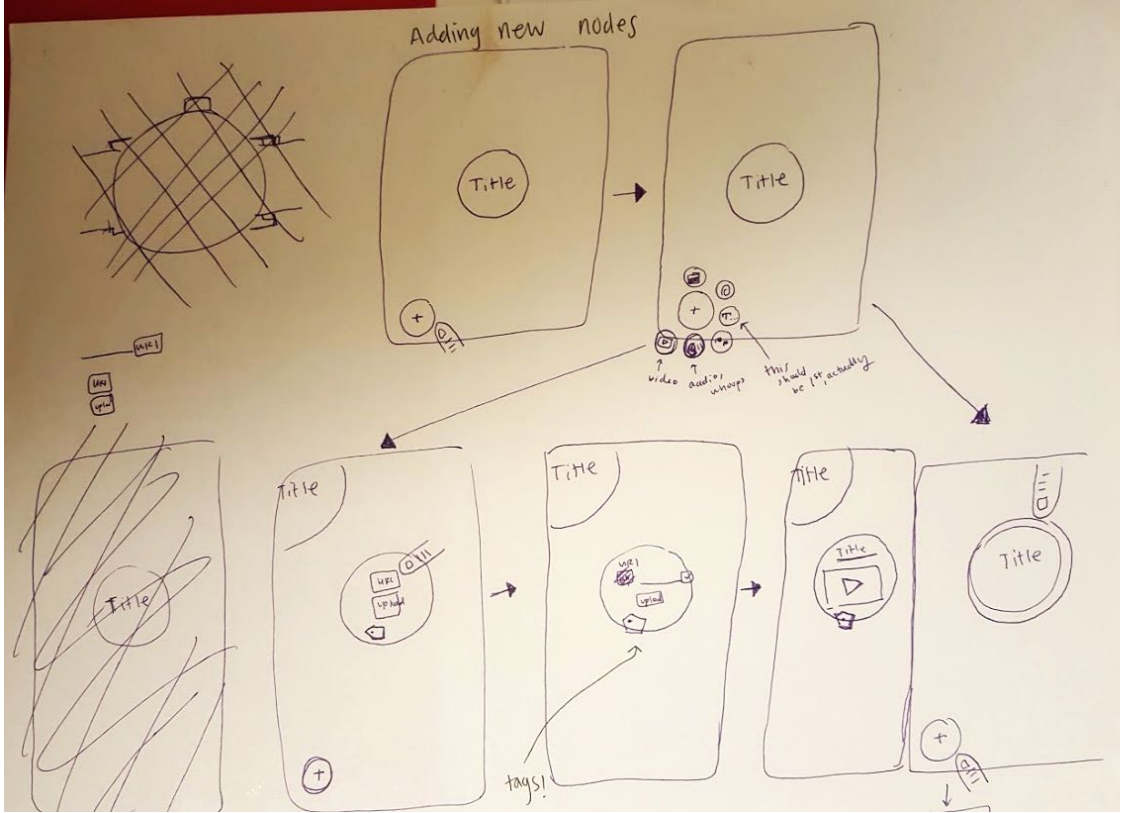
Interface Designs

Read View

Node View

Read View

Focus on structure and quality of content

Node View

Focus on flexibility and speed
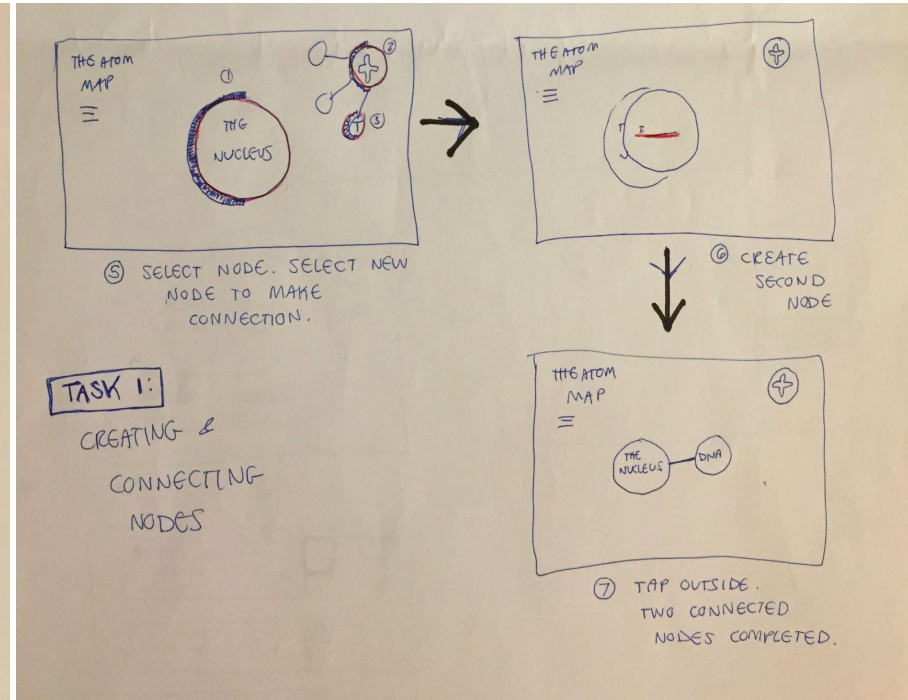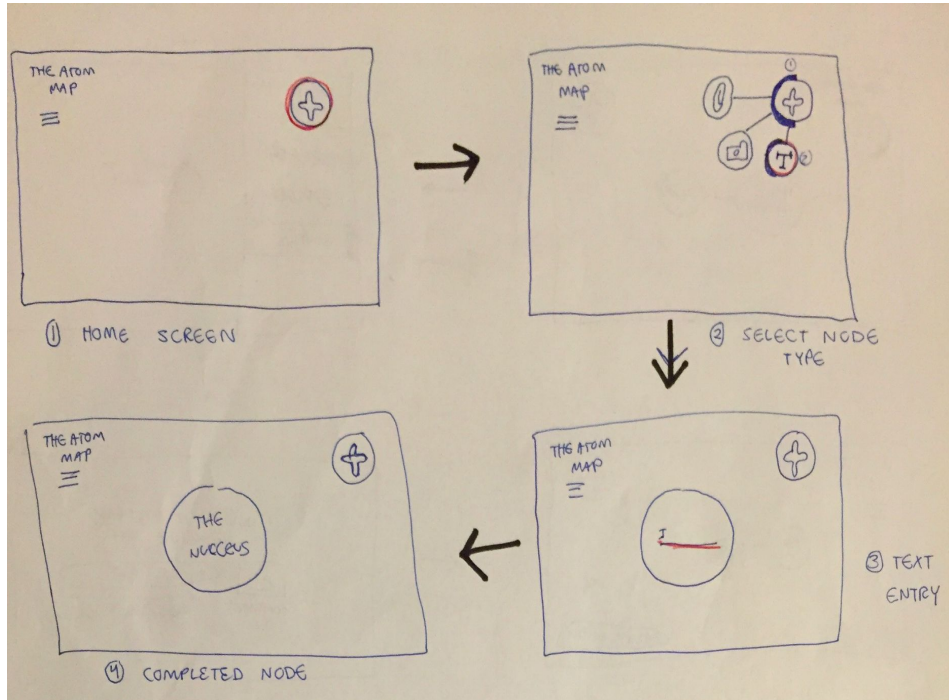
Selected Interface Design: Node View

"Read View" feels static

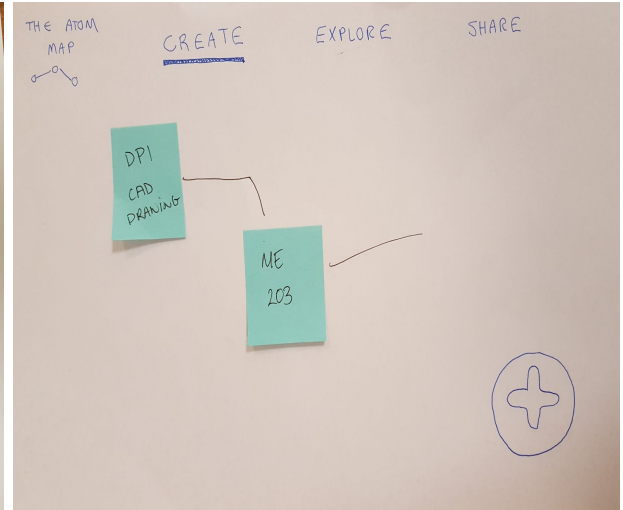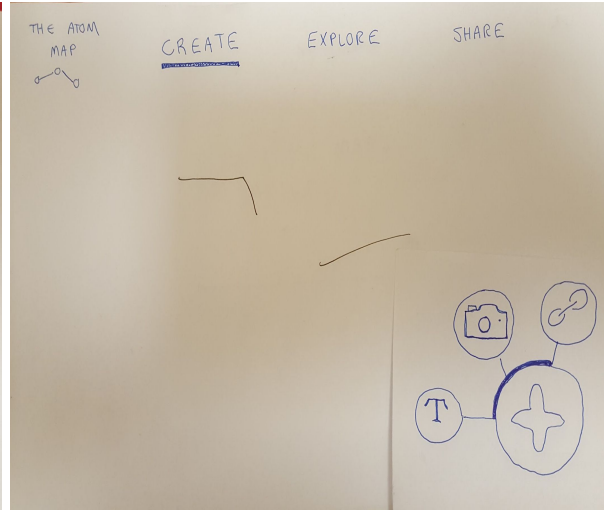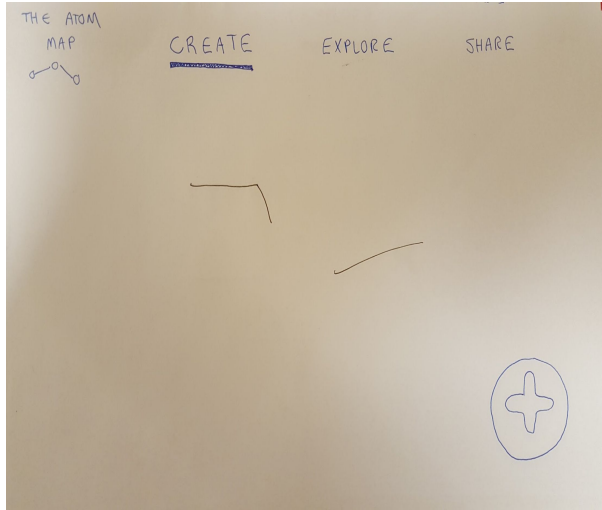"Node View" can freely move around on a small screen

Easy to combine many sub-categories

Flexibility, Speed, and Collaboration

Task: Create a Map for User's Class
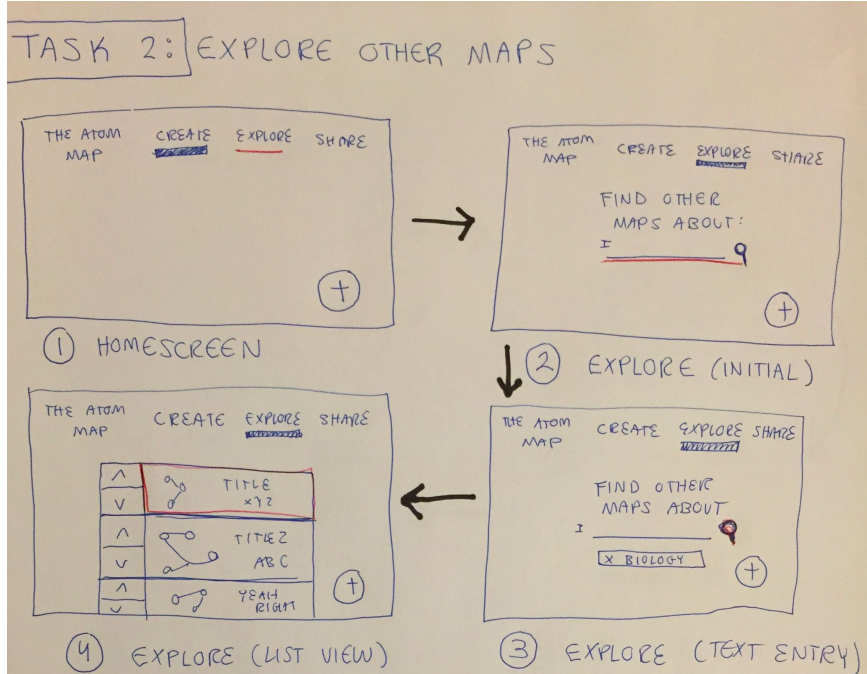
Prototype: Create a Map for User's Class

Task: Explore Other Maps For Biology

Prototype: Explore Other Maps For Biology
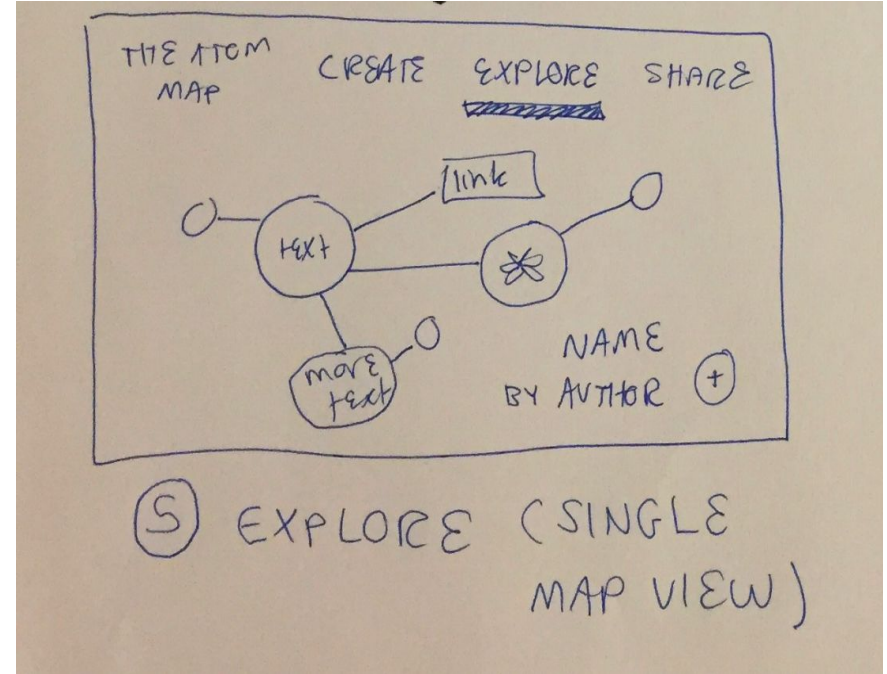
Task: Share a Map You've Found or Created
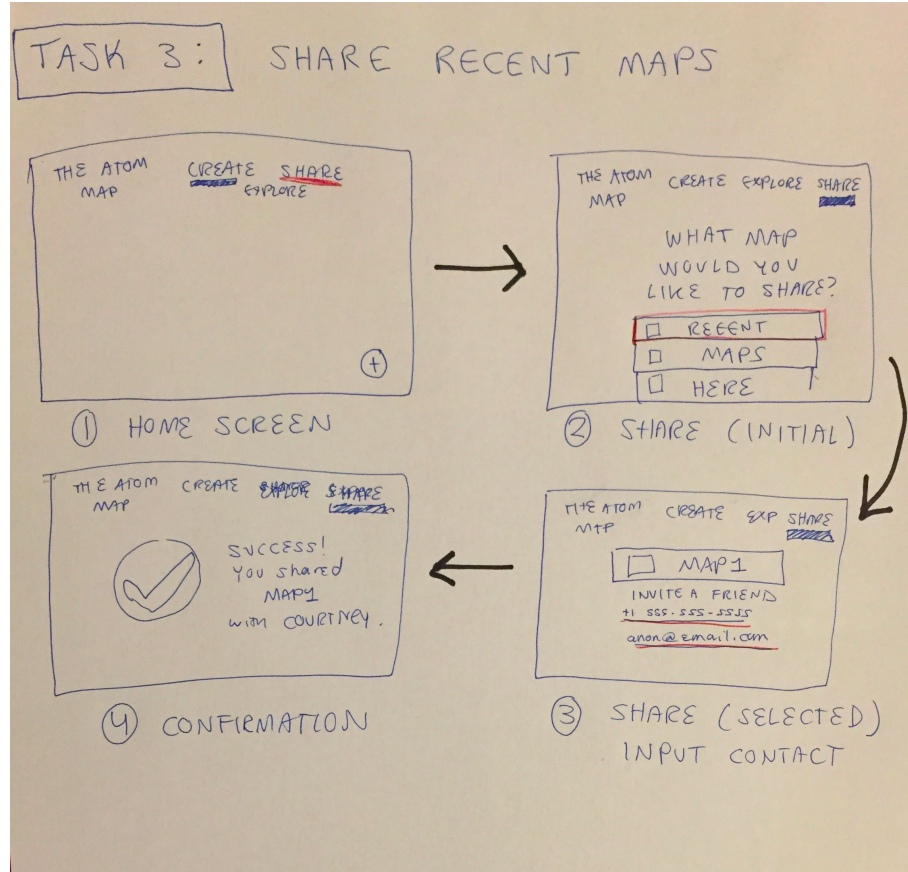
Prototype: Share a Map You've Found or Created
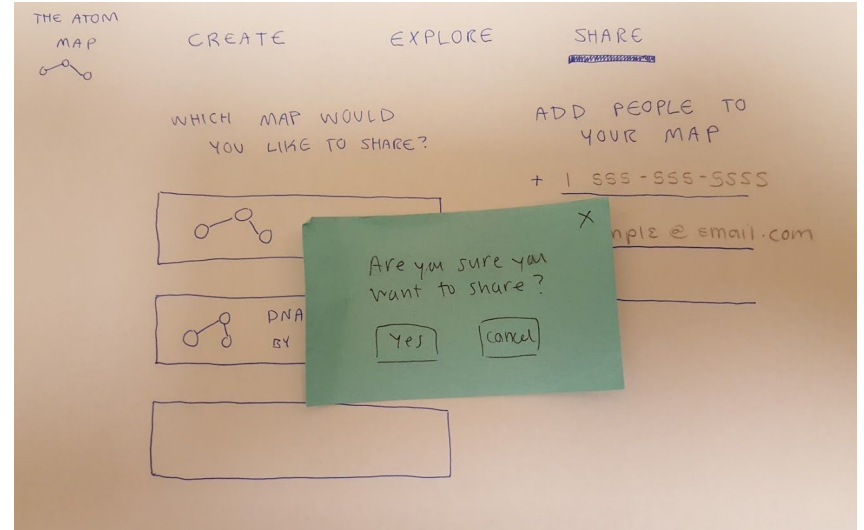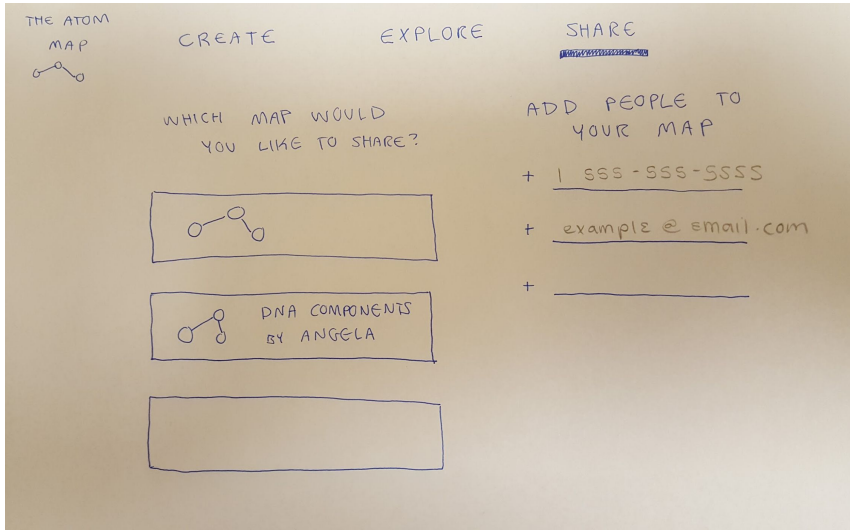
Experiment Method

Participants: Students from different backgrounds

Locations: Common studying or working areas

Incentive: Cherry Turnovers

Experiment Method

Introduce the app

Obtain consent form

Frame testing using subject's class

Describe the task

Have subject think aloud through the task

Number of errors, attempts to perform new actions

Subject 1
Chemistry Student

" Does this button **make a link between nodes**? I'm not really sure...

It'd be cool to **be able to edit these maps**...drag to rearrange nodes or something.

Subject 1 explains the **map he has created**

Subject 2
Human Biology Student

" I'm **not really sure where to start**...is this button to move around?

I guess you could **pinch to zoom in and out**...and maybe **click on nodes to get information**.

Subject 2 **listens to an introduction** of the app

Subject 3
Product Design Student

"
I always **go with the one with the most votes**, so I'll go with the first one.

I like **having my own handwriting on things**...the whole point of my making maps is seeing my handwriting.
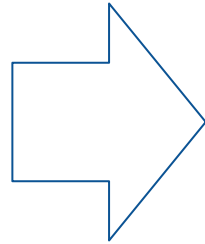

Subject 3 explains an idea for **map exploration**

Suggested UI Changes

Subjects were unsure
how to connect nodes

Suggested UI Changes

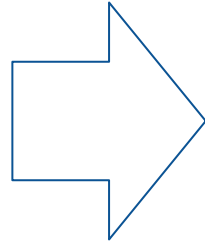Subjects were unsure how to connect nodes

→

Tutorial or onboarding process for basic map creation

Suggested UI Changes

Subjects wanted to zoom in and out to explore maps

Suggested UI Changes
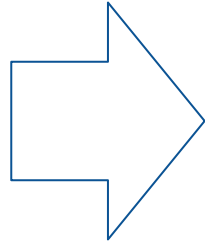
Subjects wanted to zoom in and out to explore maps

→ Pinch to zoom in the "Exploration" tab

Suggested UI Changes

Subjects want to freely interact with maps found through exploration

Suggested UI Changes

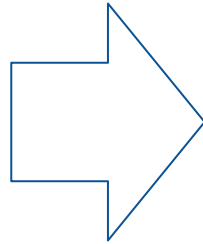Subjects want to freely interact with maps found through exploration

Allow users to download local copies of maps

Suggested UI Changes

Subjects would like to
be able to handwrite on
or around maps

Suggested UI Changes

Subjects would like to be able to handwrite on or around maps

→ Allow users to make handwritten notes and comments on maps

In summary...

- Users felt that the "Node View" design was an intuitive way to interact with maps

- Added functionality to exploration could improve the experience of collaborating

- Some onboarding may be required