

## CS 304: Final Project - New Application Creation: Mobile Mouse

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### Medium Fidelity Wireframe on Figma → [Medium-Fidelity](#)

#### Product Brief:

**Name:** Mobile Mouse

#### **Description:**

This app allows your phone to act as a mouse that can connect to a computer. It can be personalized with individual mouse preferences depending on needed use cases. It is mainly designed for accidental situations where someone forgets their mouse at a mobile location, and needs a quick solution to complete work. It is designed to be as ergonomic as possible with the shape of a cell phone.

#### **Primary Group Attribute List:**

Primary Goals: Use their phone as a mouse at a mobile location where they forgot one.

Demographics:

- Travelers
- Students
- Business People
- Ages 16-50 Years Old

Educational Level:

- High School or Higher
- Current Students

Potential Job Fields:

- Engineers
- Manager Level Roles
- Graphics & Video-Editors
- College Students

## User Personas:



**Janet (30)**  
Identifies Female  
Single

### Why She needs a mouse

Janet is an entrepreneur in downtown Detroit, often working at new locations with clients, or in cafe's. With such a changing schedule, she sometimes forgets her mouse and finds it hard to use a trackpad to work on Excel sheets and other work.

### Computer Use Preferences

Janet is lefthanded and often can't borrow a mouse from most people. She needs a mouse with a left-hand setting. Additionally, she LOVES her mouse key-binds to modify the spreadsheets and other parts of her work. She all but needs a mouse to do her work, since using her trackpad gets very tedious after long hours of work.

### Backstory

Janet grew up in Metro-Detroit, attending public schools and learning about her parent's family-run restaurant. Growing up around this taught her the passion and dedication that goes into running a business. As a first generation college student, she studied finance to help local family businesses to run smoothly. Living in Downtown Detroit, she now follows her passion of helping these families and businesses with their money.

### Hobbies

- Volunteering at local school weekend programs
- Learning new skills through online classes or city programs
- Long distance swimming
- Reading historical fiction books

### Occupation

- Owns Accounting Consultant Business
- Small Business Accounting Consultant
- Oversees a team of 6 Analysis/Consultants

### Daily Schedule

- Wake up at 6 am & go swimming
- Arrive at client business at 8 am
- Meet with businesses all morning
- After lunch, find cafe or go back to her office
- After work, pick up groceries & cook & relax

### Weekly Schedule

- Works M-F 8-8 long hours as a business owner
- Friday gets together with friends
- On weekends, she visits her parents for either lunch or dinner
- Then goes into city and/or tries a new skill class like paint, cooking, cycling, or pottery



**Jurgen (42)**  
Identifies Male  
Married

### Why he needs a mouse

Jurgen is a believer that less is more. His family often pokes fun for wearing the same outfit every day, but he sees it as efficient. He prefers to carry the least amount of devices around, and a phone mouse removes a physical mouse from the list.

### Computer Use Preferences

Jurgen wants a simple but efficient mouse experience. He often is CAD-ing or working on various online software and needs the improved functionality of a mouse instead of a trackpad. It's very important to modify the speed settings between applications for him, so he needs a personalizable mouse for his work.

### Backstory

Jurgen grew up in a small town in Germany, where he helped his dad often fix up cars. Later he worked as a newspaper boy, riding his bike. He then went to college, where his friends went to him for any deep advice they had. After working at an engineering firm, he started his engineering consulting firm. He has a family with 2 children and tries to spend as much time with them as possible.

### Hobbies

- Going to F1 races
- Attending local festivals with his family
- Taking his kids to their sporting games
- His guilty pleasure is cooking an "American Breakfast"

### Occupation

- Engineering Consultant
- Visits various work-sites

### Daily Schedule

- Wake up at 6 am & prepare family breakfast
- Start work from home at 8am
- Go to clients sometime around lunch, taking them out to lunch
- Go home at 4pm, and take kids to sports practice

### Weekly Schedule

- Works M-T 8-4
- Movie nights or home crafts on Friday with family
- On Weekends, take kids to sports or to the country
- Sunday, visit parents or inlaws, spending the afternoon with them.



**Alyssa (21)**  
Identifies Female  
Single

#### Why She needs a mouse

Alyssa usually spends time at the library, but with such a fast-paced changing college schedule, it's easy for her to forget her mouse. Having a back-up on her phone would be great to complete her graphic design projects with ease.

#### Computer Use Preferences

Alyssa mainly works on her laptop creating graphics for student organizations. She wants a functional mouse with some key binds that she can set. Beyond that, she is comfortable with any mouse.

#### Backstory

Alyssa is a huge Sci-Fi nerd. She loves reading graphic novels, watching movies, and sharing new stories with her friends playing D&D. She also loves finding Geocaches with friends. She grew up in Illinois, then moved to Boston to study Graphic Design. She is currently in college, and very passionate about her career.

#### Hobbies

- Reading Graphic novels & Sci-Fi
- Drawing in her sketchbook
- Going to Yoga and occasional gaming
- Playing D&D

#### Occupation

- College Student Studying Graphic Design

#### Daily Schedule

- Wake up at 9 am & go to class
- Go to the library reading & working on projects
- Get lunch & dinner from dining hall with friends
- Go to Yoga at 7pm
- Play board games with friends & relax

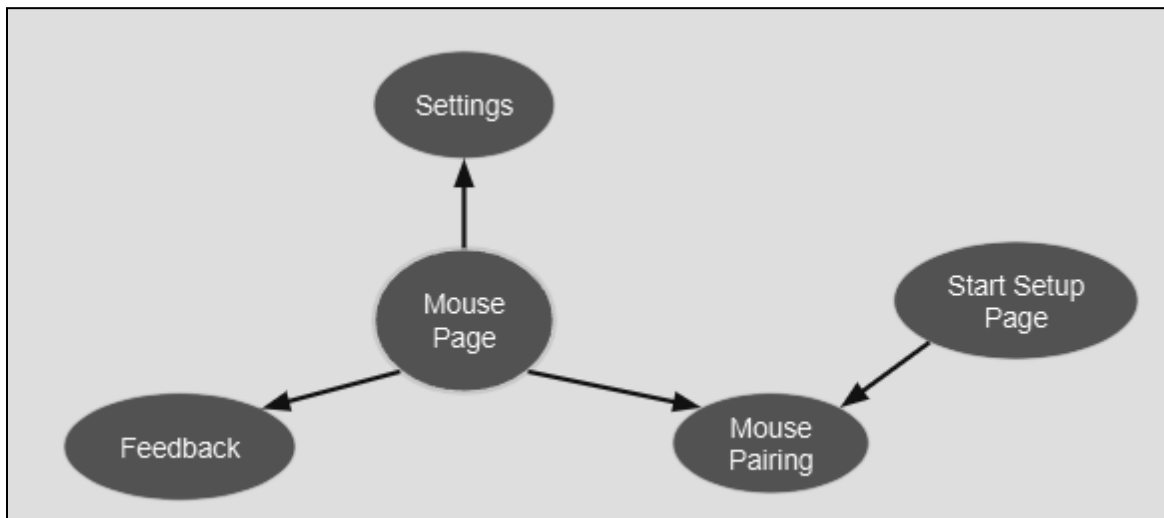
#### Weekly Schedule

- School during weekdays
- Have a few drinks with friends on Fri & Sat evening
- Do homework over the weekend
- Sunday play games with friends

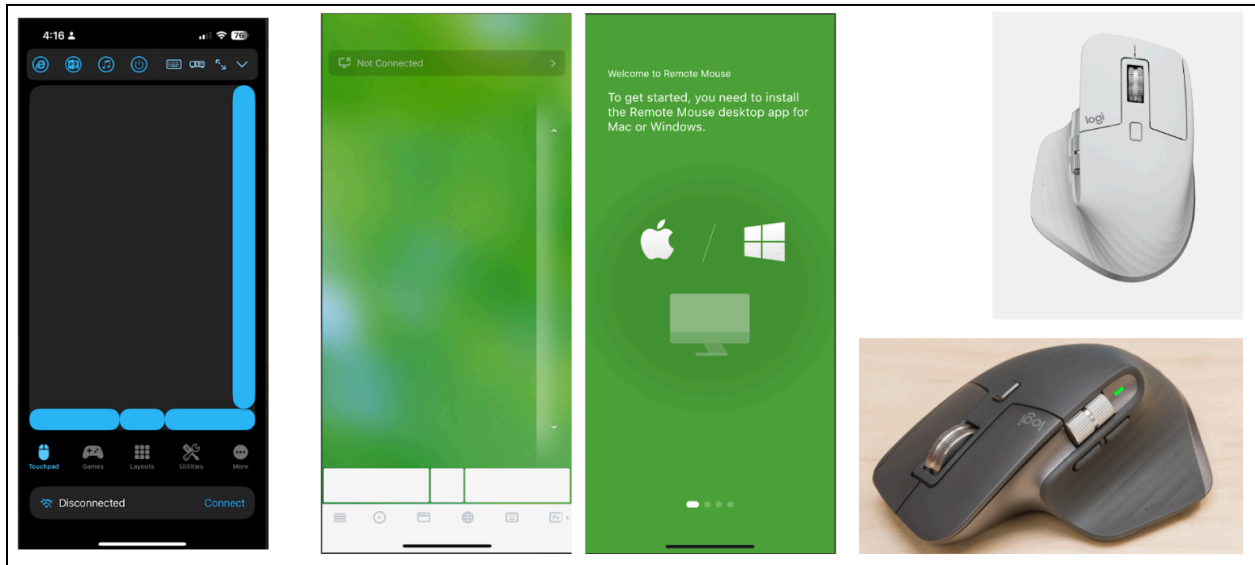
### Descriptive List

- Mouse Page
  - The “Home Page” where the customized mouse interface is
  - You can access all other pages from here
- Mouse Pairing Page
  - Main connectivity page with instructions on how to connect with your computer
- Mouse Settings
  - Main Customization page for the mouse page. It contains presets, but also each item is customizable, including color & L/R handed-ness
- Feedback Page
  - Main page to communicate with the Dev team.
- Start Pop-Up
  - Provide Basic Instructions

### Hierarchy Map



## Comparable Applications Summary



There are two phone mouse applications that work as a trackpad. They helped determine potential use cases and learn to keep an open page layout.

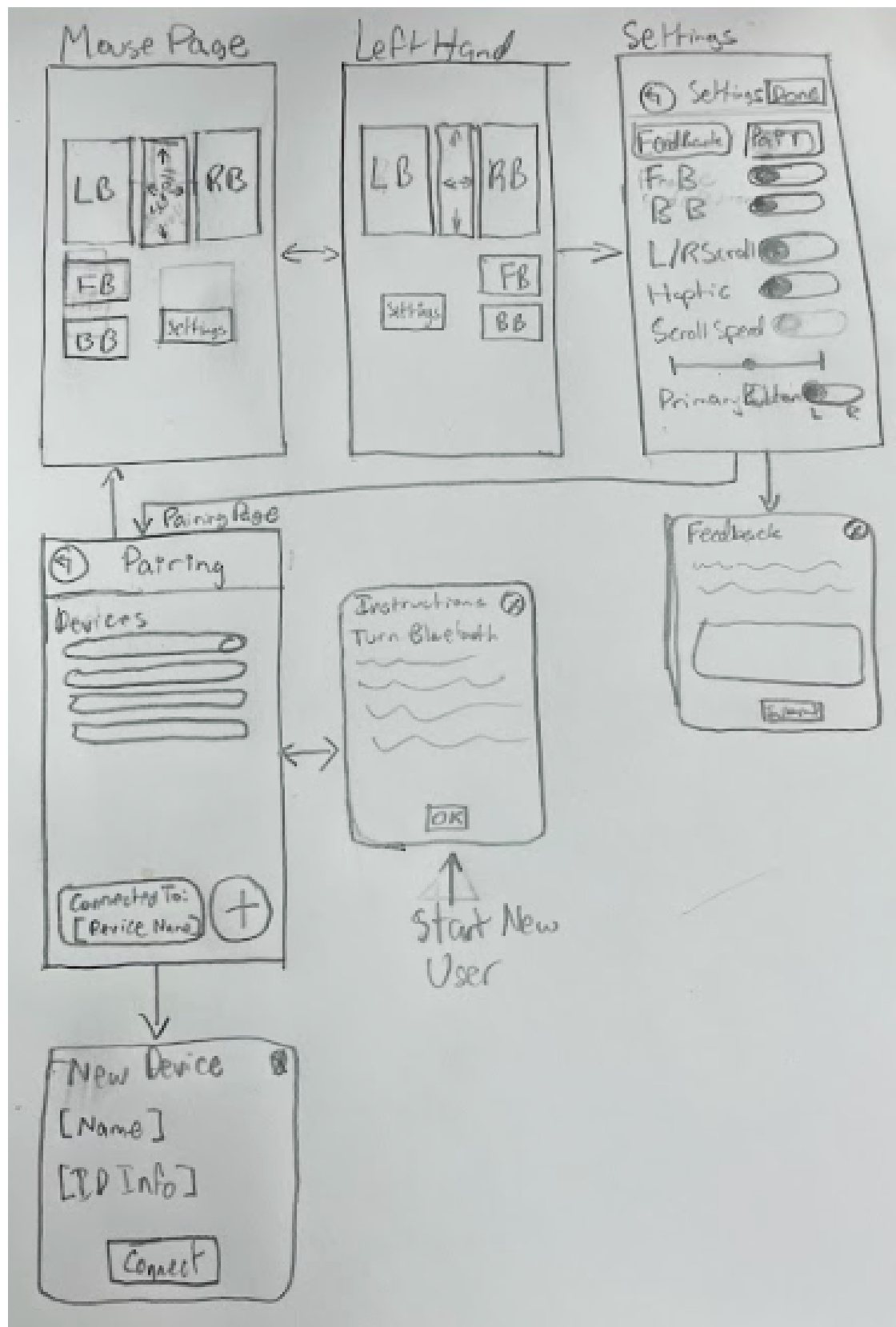
The mouse on the right is the “top productivity mouse” according to the articles below. The main features of the left & right buttons, the scroll wheel, and the side buttons were implemented into my app.

[The Best Mouse For Work - Fall 2023: Mice Reviews - RTINGS.com](https://www.rtings.com/mice/reviews/best-mouse-for-work-fall-2023/)

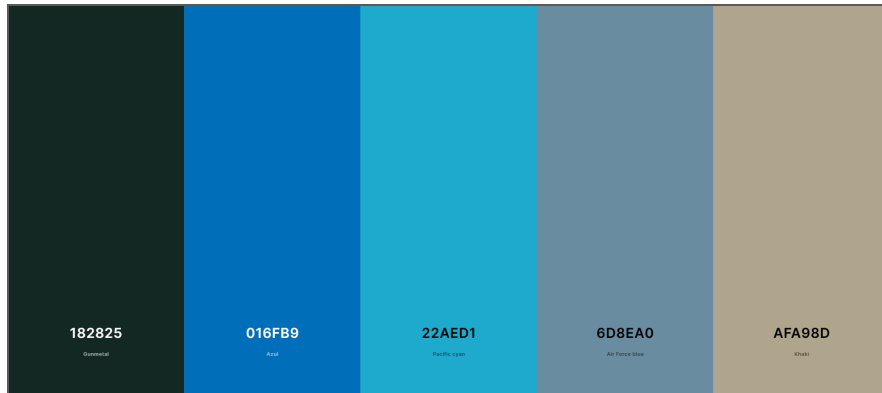
[My quest for the perfect productivity mouse \(engadget.com\)](https://www.engadget.com/best-productivity-mouse-2023-123456789.html)

[Best Wireless Mouse 2023: Productivity, Portability, and Comfort | Tom's Hardware \(tomshardware.com\)](https://www.tomshardware.com/reviews/best-wireless-mouse-2023/)

## Low-Fidelity Wireframe



Color Pallet



- Dark Background to power-saving
- Brown/Grey neutral colors for less important features
- Bright blue contrasting colors for easy glances

### Typography

**Kenyan Coffee  
Mobile Mouse**

- Clean and simple, with some techy & futuristic feel

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