

Mobile Mouse

Marvin Lopez
CS 304: UX Design
[Wireframe on Figma](#)

Product Brief

This app turns your phone into a mouse that can connect to a computer. It can be personalized to personal mouse preferences. It is mainly designed for accidental situations where someone forgets their mouse, and needs it for ease of work.

Certain Mouse Features are:

- Standard L/R Buttons
- Return “side” button
- Scroll wheel
 - Up, Down, Left, Right
- Left Hand Mode
- Haptic Response
- Variable Mouse Speed

Primary Group Attribute List

Primary Goals

- Back-Up for a wireless mouse

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 (Theoretical)



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

User Personas (Theoretical)



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.

User Personas (Theoretical)



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

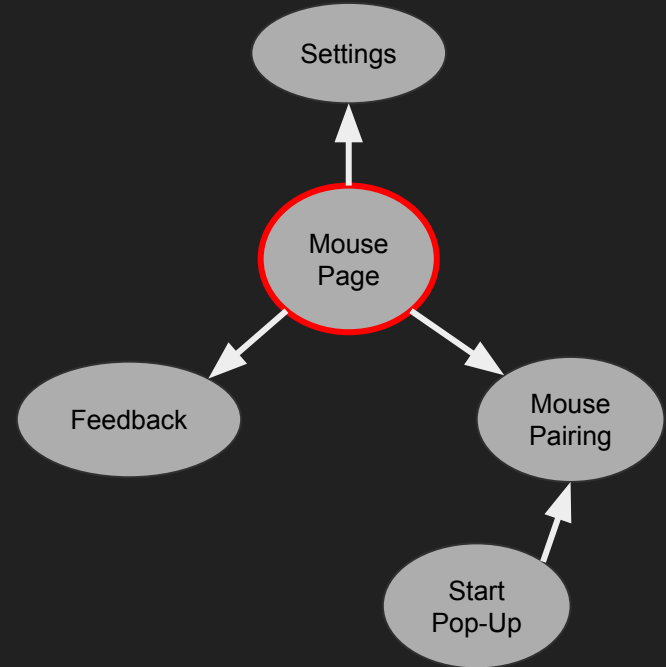
- Wake up at 9 am & go to class
- Go to the library reading & working on projects
- Get lunch & dinner from dining hall with friends
- Go to Yoga at 7pm
- Play board games with friends & relax

Weekly Schedule

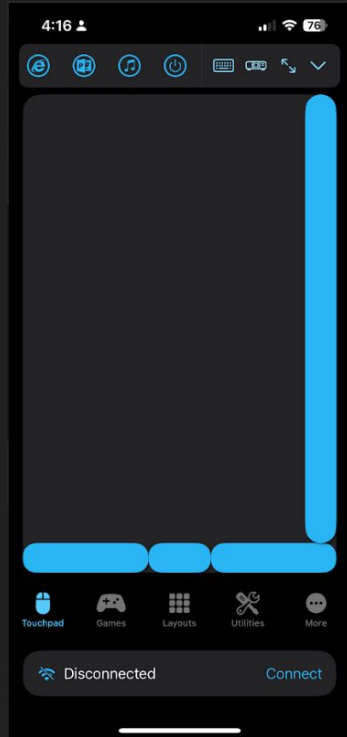
- School during weekdays
- Have a few drinks with friends on Fri & Sat evening
- Do homework over the weekend
- Sunday play games with friends

Descriptive List & Hierarchy Map

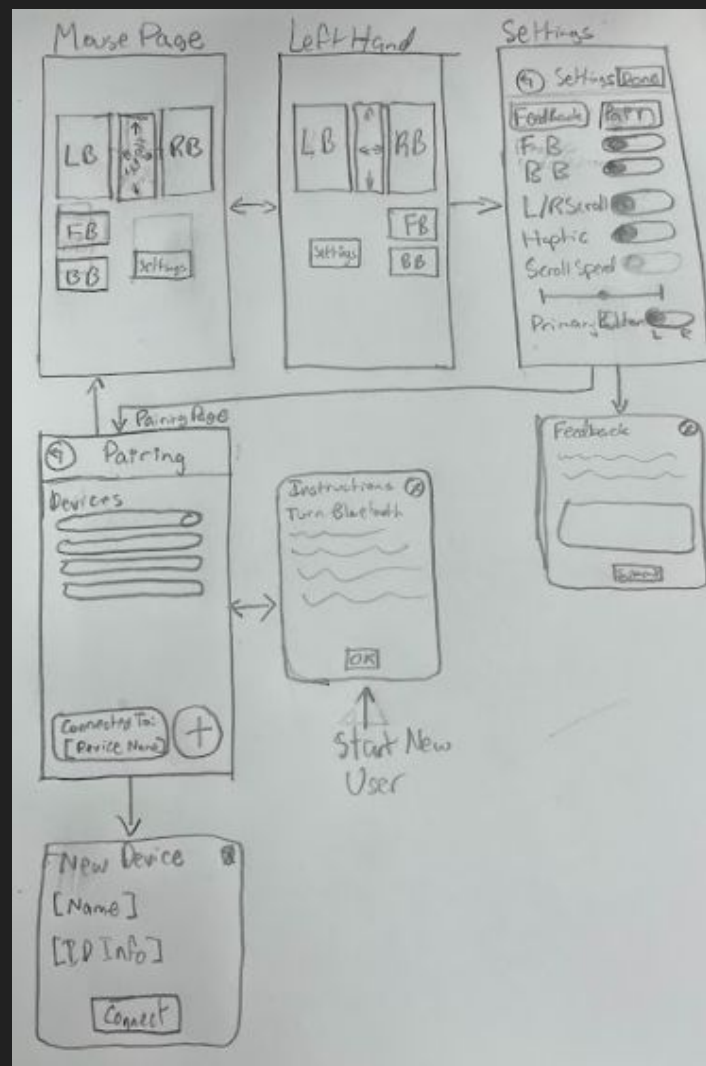
- **Mouse Page**
 - The “Home Page” where the customized mouse interface is
 - You can access all other pages from here
- **Mouse Pairing Page**
 - Main connectivity page with instructions on how to connect with your computer
 - Pop-up for first download users explaining how to use app
- **Mouse Settings**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



Comparable Applications



Low-Fidelity Wireframe



Color Pallet & Typography



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

Kenyan Coffee Mobile Mouse

- Clean & Simple, with some tech-y feeling

Medium-Fidelity Wireframe

[Wireframe on Figma](#)