



SkatEE

Team and Intro

Who we are:

- Andrew Baker
- Hunt Wyman
- Santi Neira
- Pierce Witmer

Problem Description

- Notre Dame is huge
- Walking is a hassle
- Lime bikes make you sweat
- Electric Skateboards are super expensive



Proposed Solution

- Build an electric skateboard
- Attach a holster of sorts as a remote locking mechanism
- Create an app that can unlock the skateboard for use
- Design an alarm system for anti-theft

Demonstrated Features

Minimum Viable Board

Board Assembly

- Use kit to assemble pre-made skateboard
- Ensure that it is motorized, can be programmed and controlled with remote



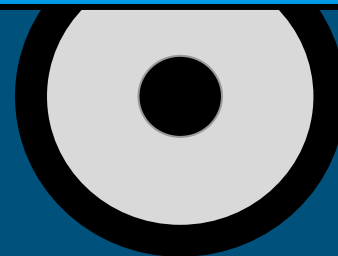
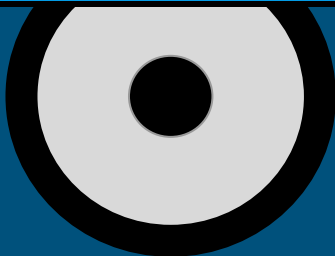
Signal Reception

- Application that will allow for us to send a signal
- Use of either bluetooth or wifi technology



Unlocking Mechanism

- Design of the receiver
- when the device receives the signal creates a physical state change on the board (unlocks it).



skatEE 2.0 Features

- Improve remote holder/locking interface so that it locks automatically when the remote is replaced.
- Charging of the boards (2 options)
 - Charging stations
 - LimeScooter method
- Anti-theft Alarm system



Available Technology

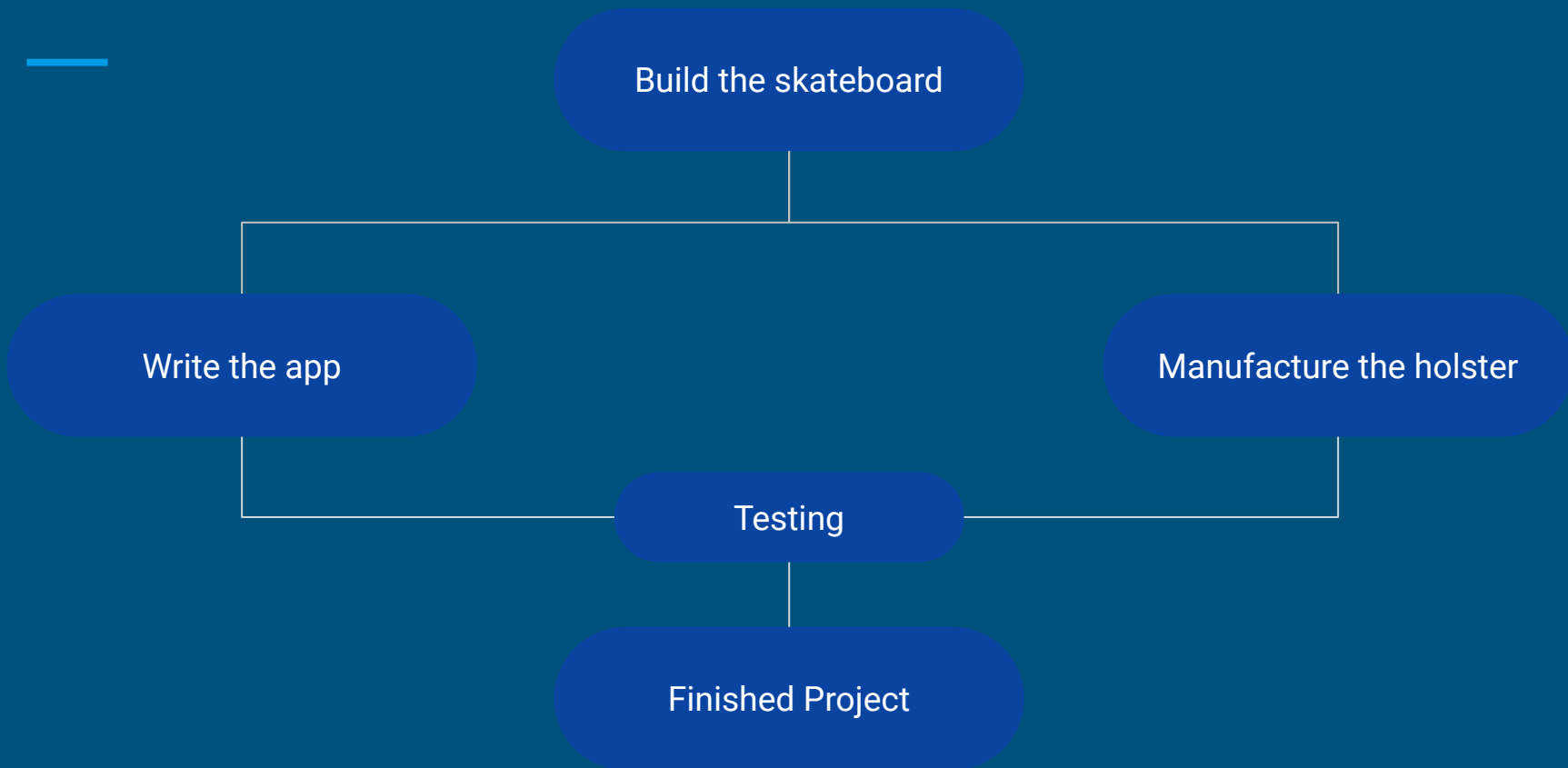
1. Electric skateboard
2. SWIFT application
3. Remote holster/lock
4. 3-D printer



Engineering



Recap/Basic Goals



Questions?

