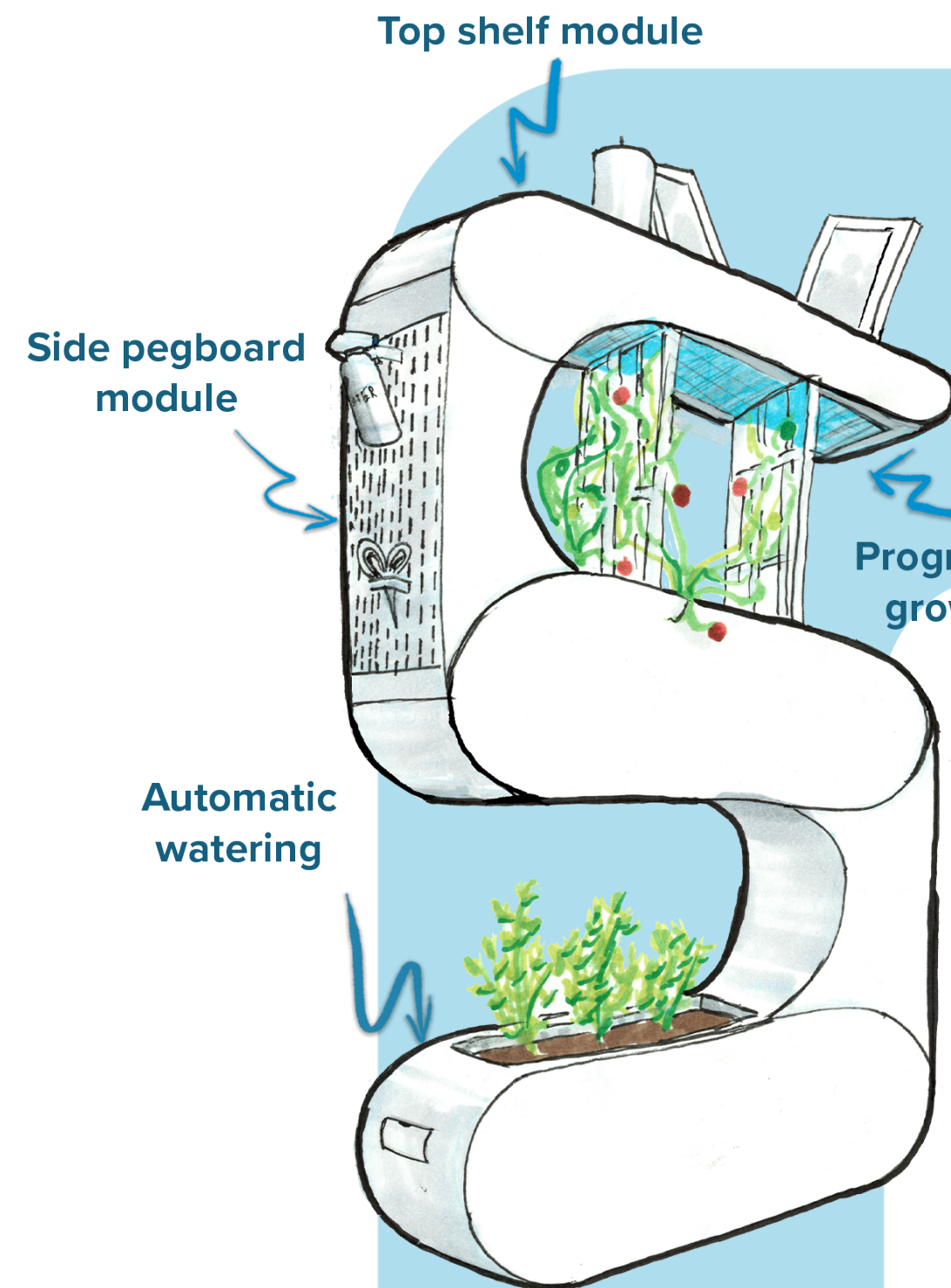


PDES 2703

Isak Winter



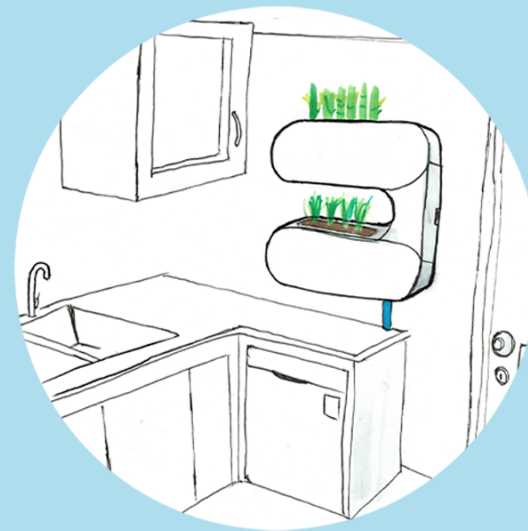
Programmable grow lamps

Modules snap together to share water and power.

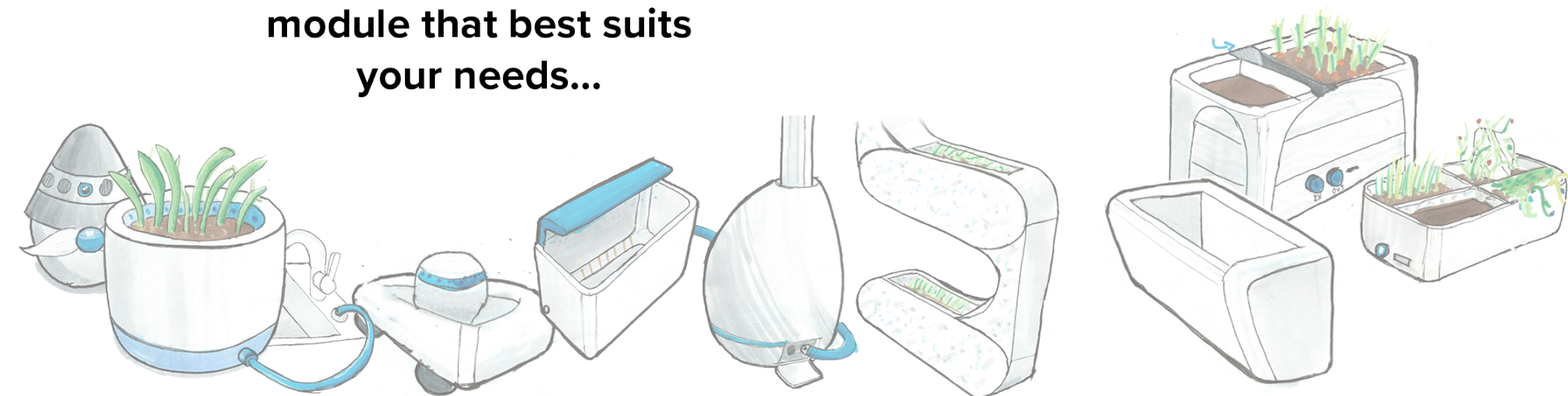
Direct water connection module

Refillable water source module

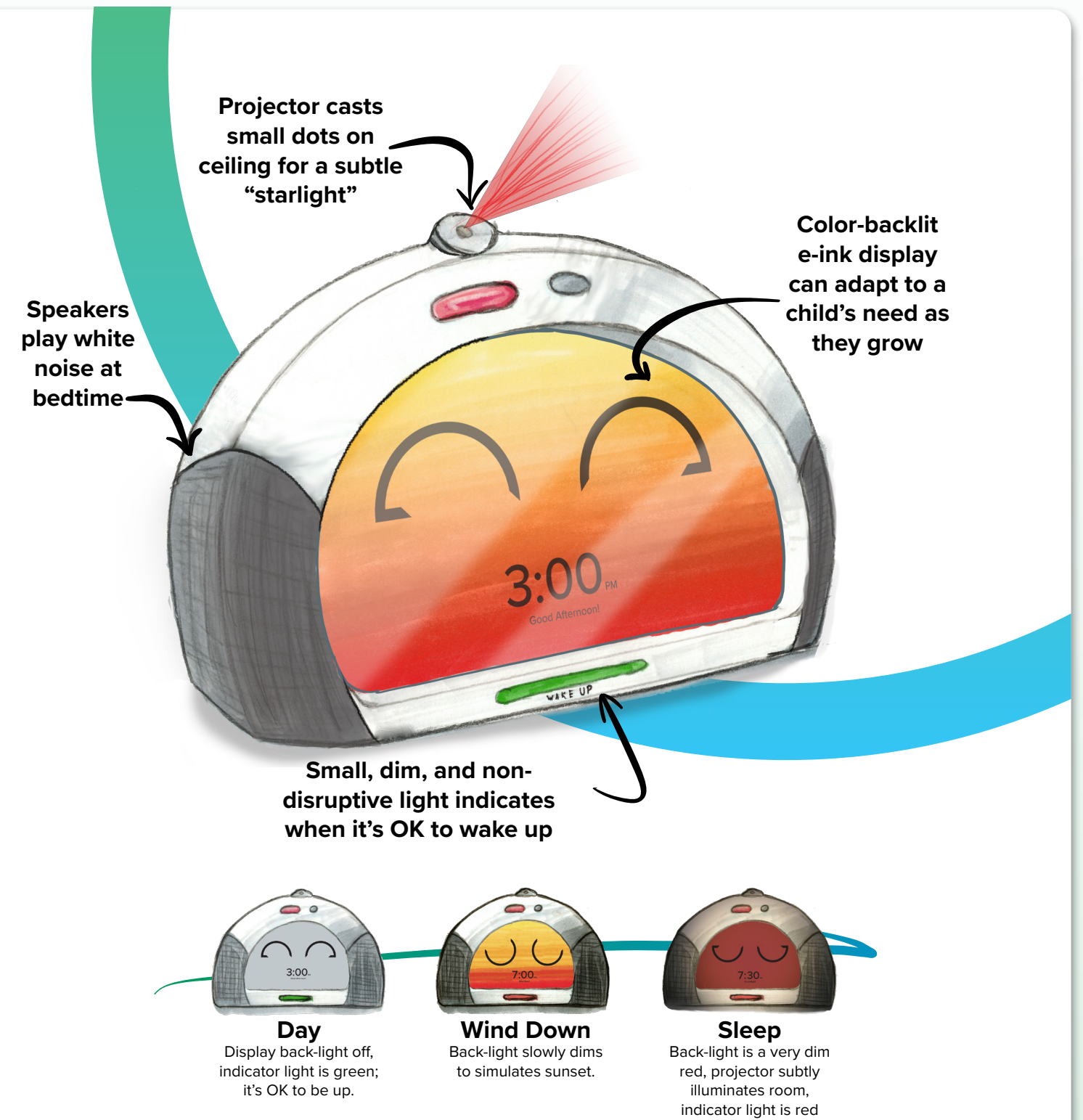
Select the water source module that best suits your needs...



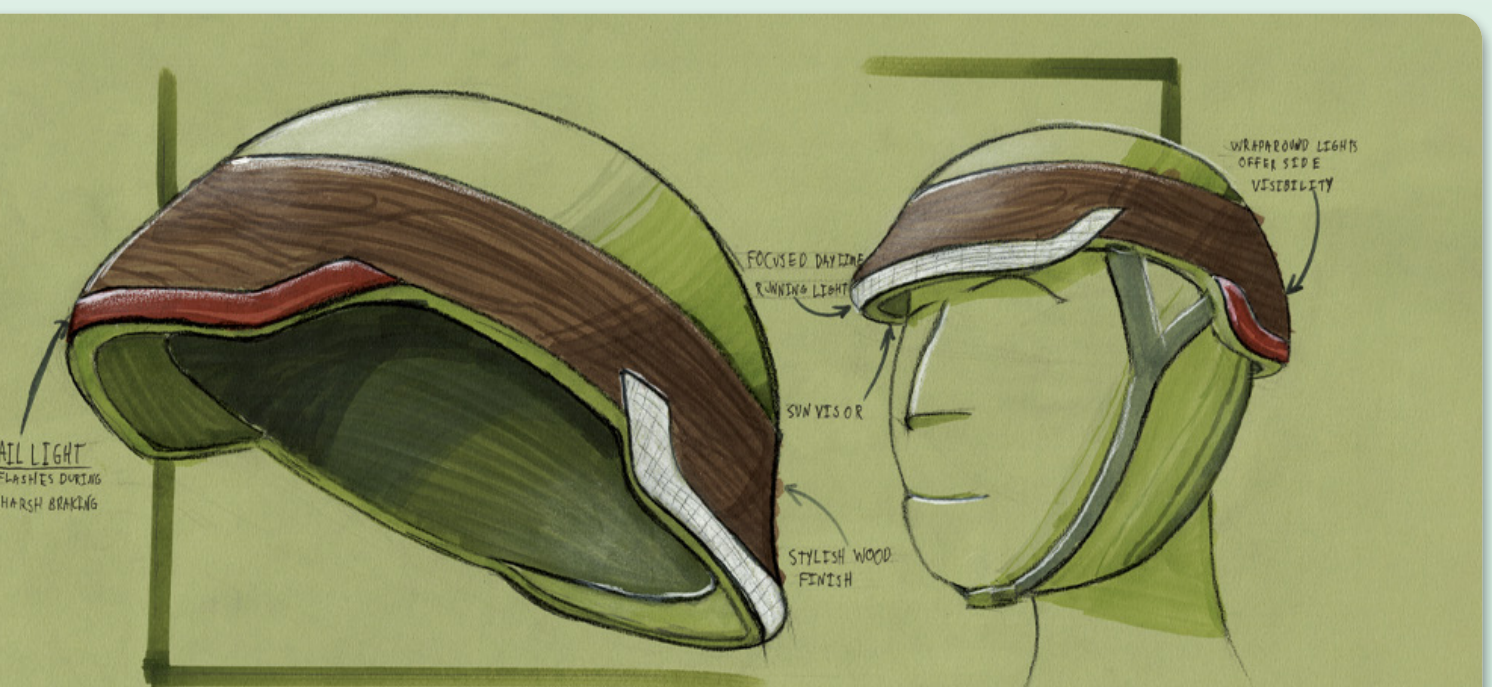
...and change it up to adapt to your lifestyle.



Project 5 - Storyboarding
Twist Planter



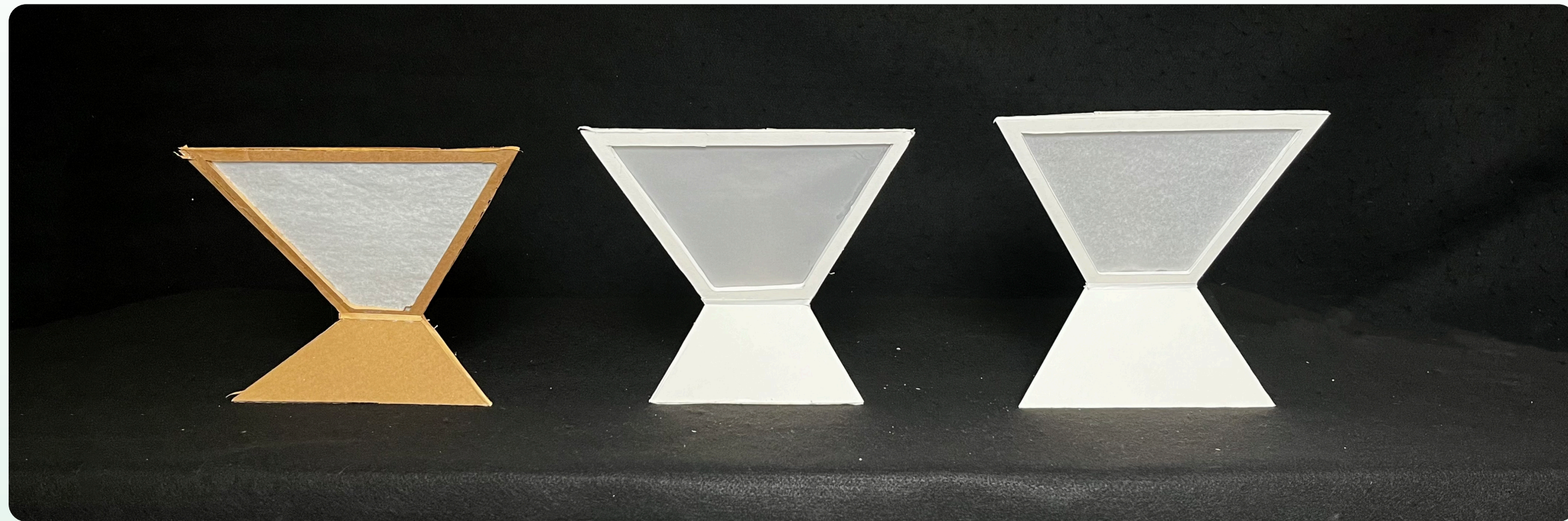
Project 6 - Practice Project - **Artemis**



Project 4 - Mid-tone Rendering - **Helmet**

PDES 2777

Isak Winter



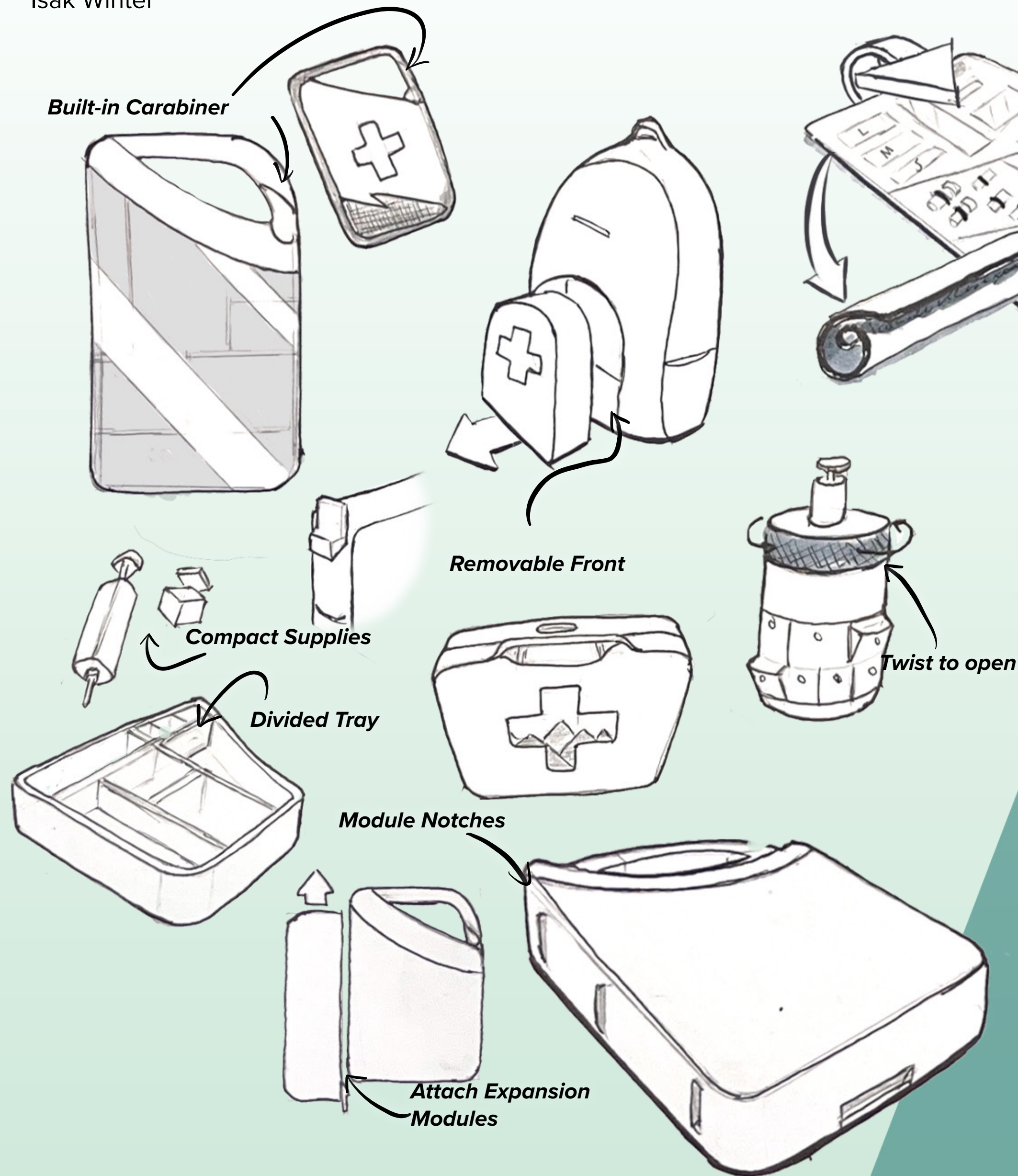
Foamcore Lamp



HDU Replica

Design Challenge Ideation

Isak Winter



Roll-up kit

Built-in Carabiner

Removable Front

Compact Supplies

Twist to open

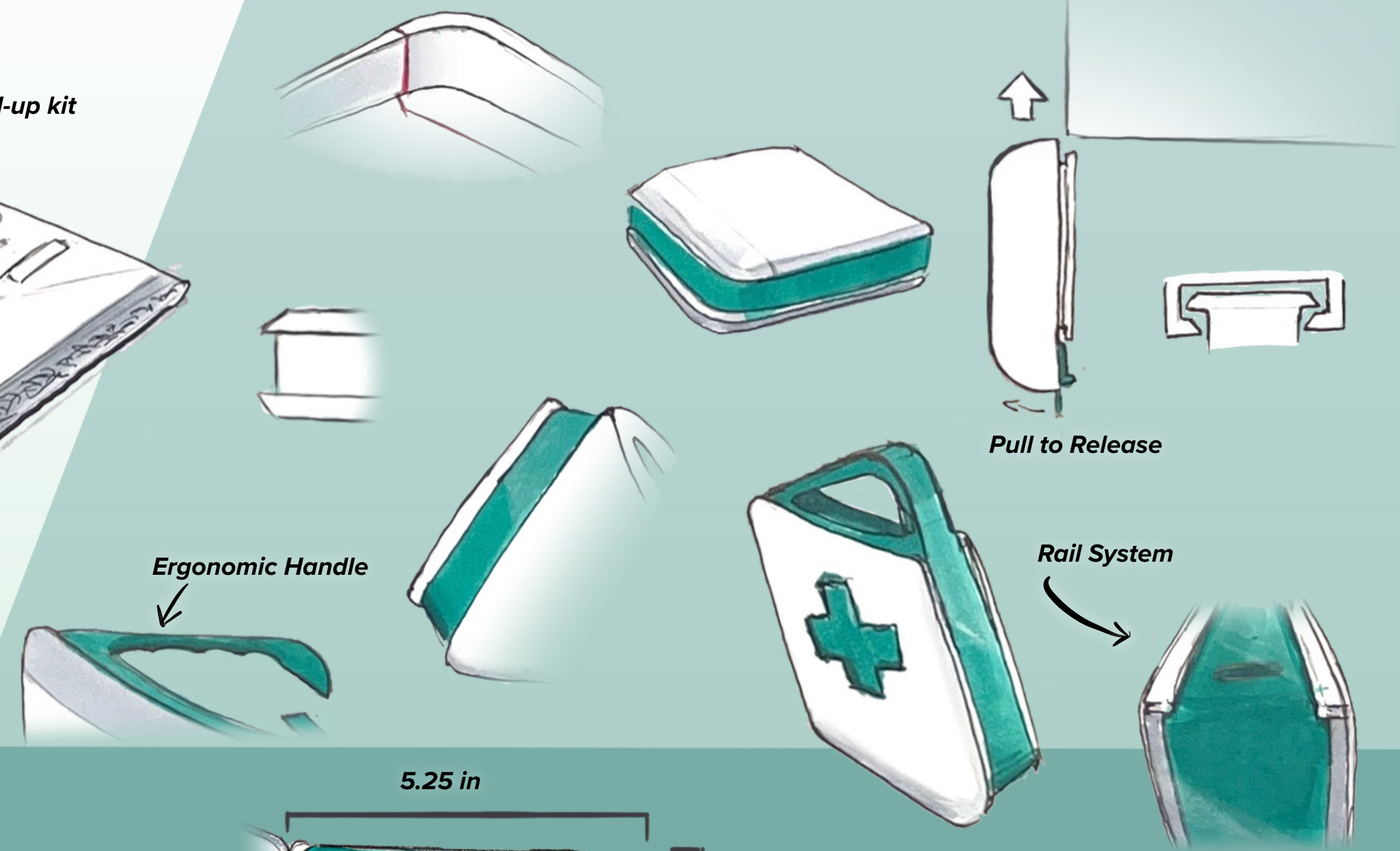
Divided Tray

Module Notches

Attach Expansion Modules

Multi-Level

Splint, tweezers, and medical gloves are stored under other supplies.



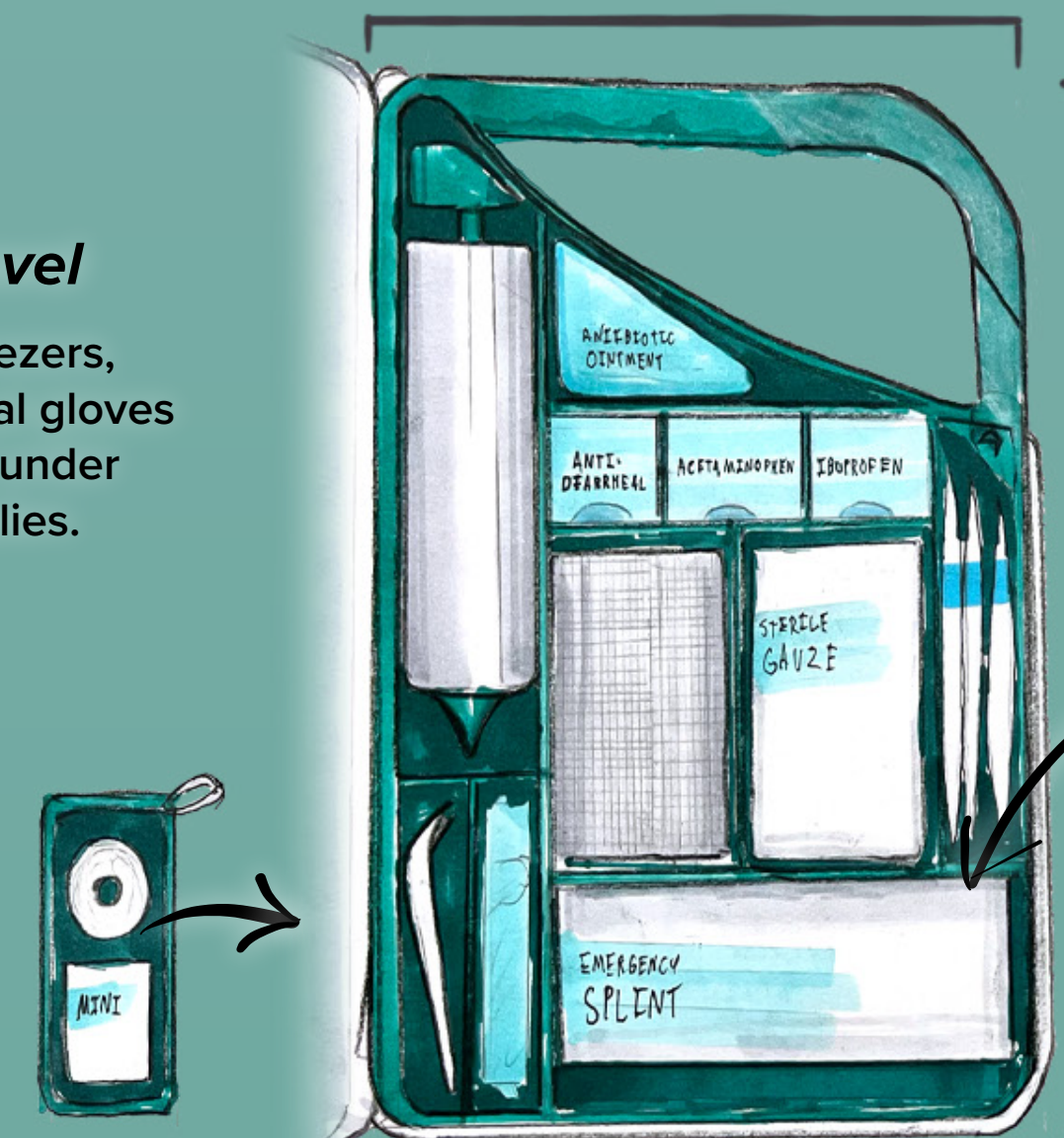
Ergonomic Handle

Pull to Release

Rail System

5.25 in

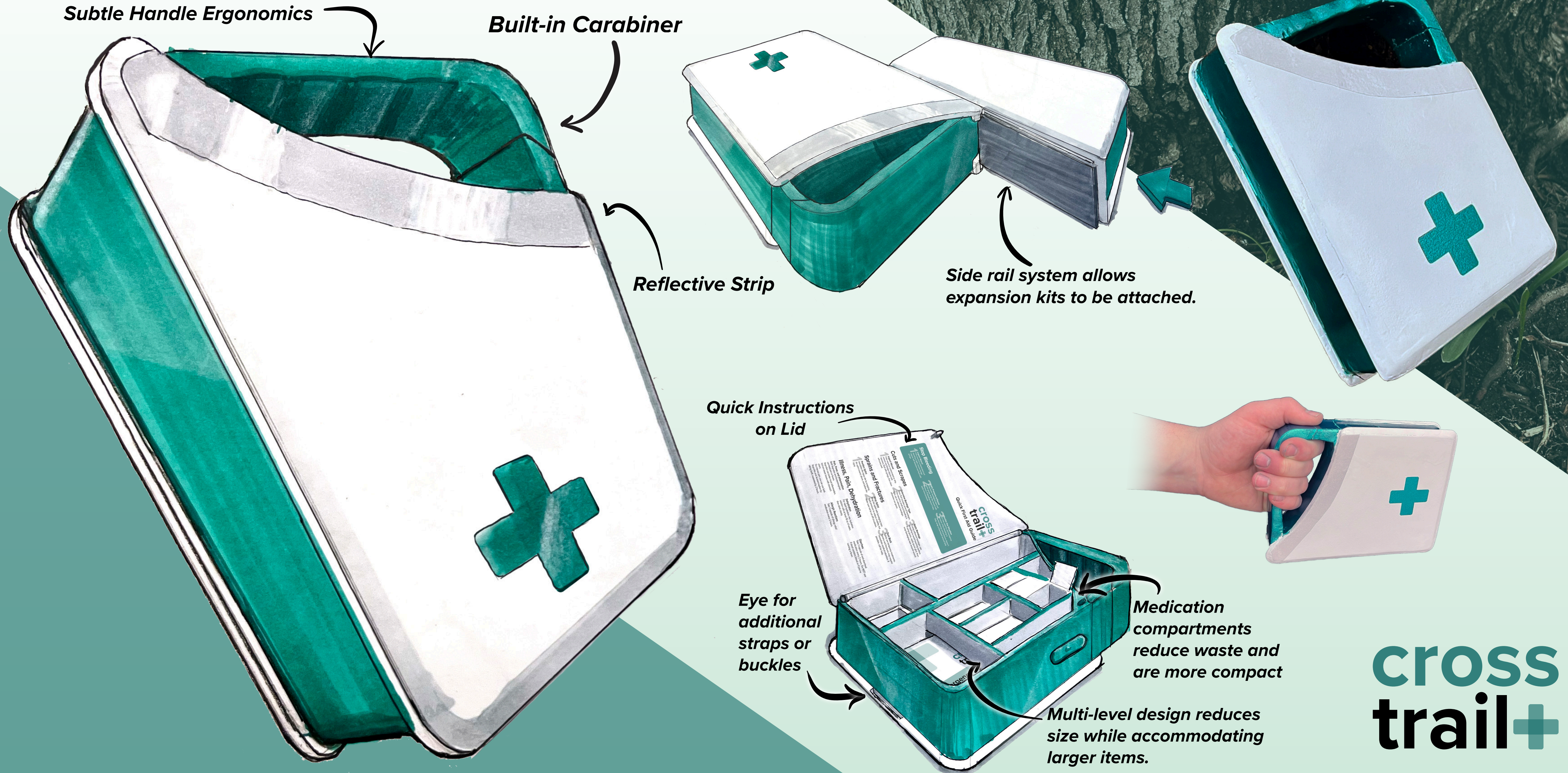
7 in



Removable boxes provide easy access to the rest of the kit

Design Challenge Concept

Isak Winter



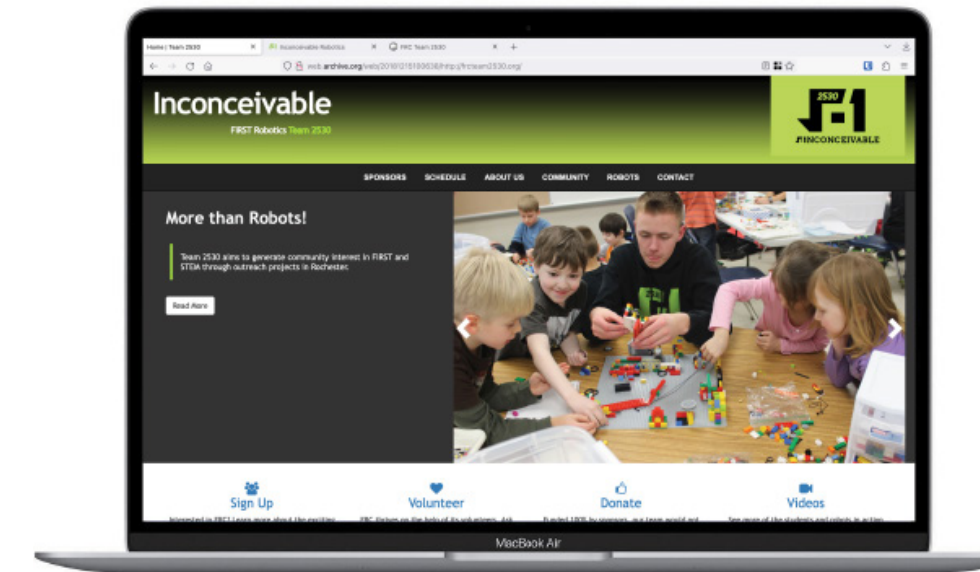
**cross
trail+**

FRC Robotics Team 2530 FINCONCEIVABLE

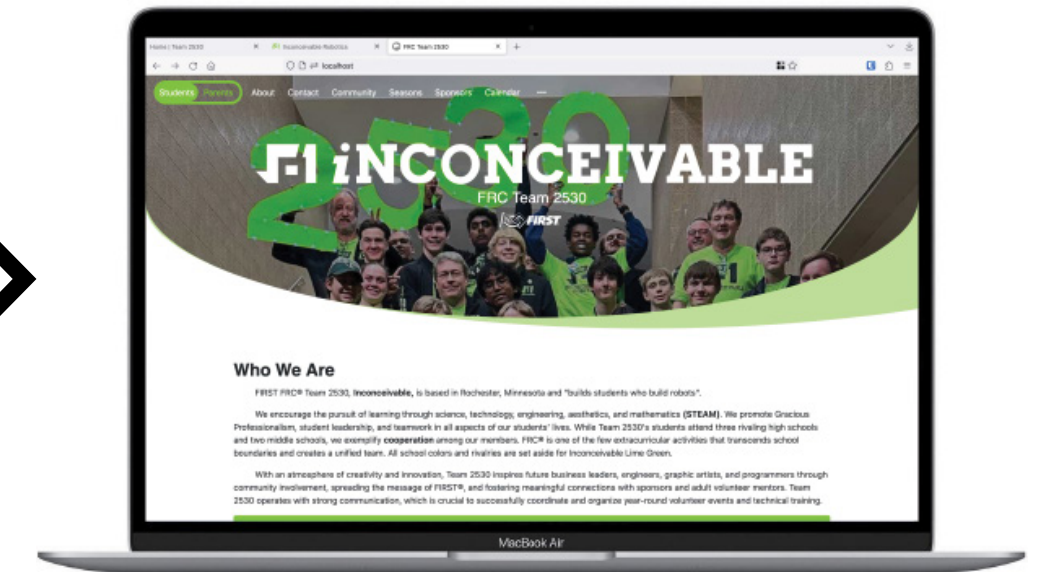
Isak Winter

Website Rewrite

Faster and easier to use.
Special features for team members,
parents, and sponsors.



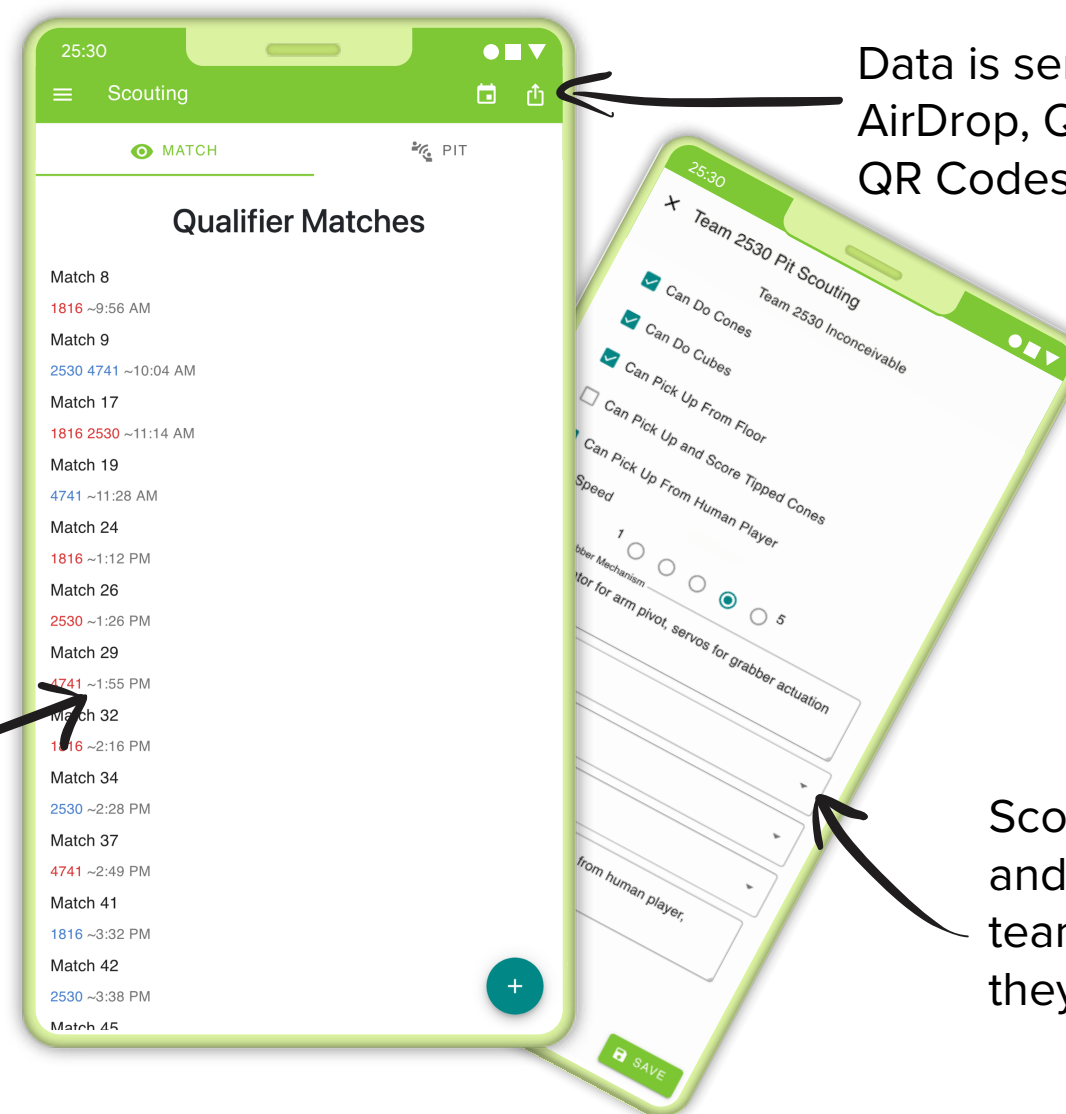
2018



2023

Swerve Scout

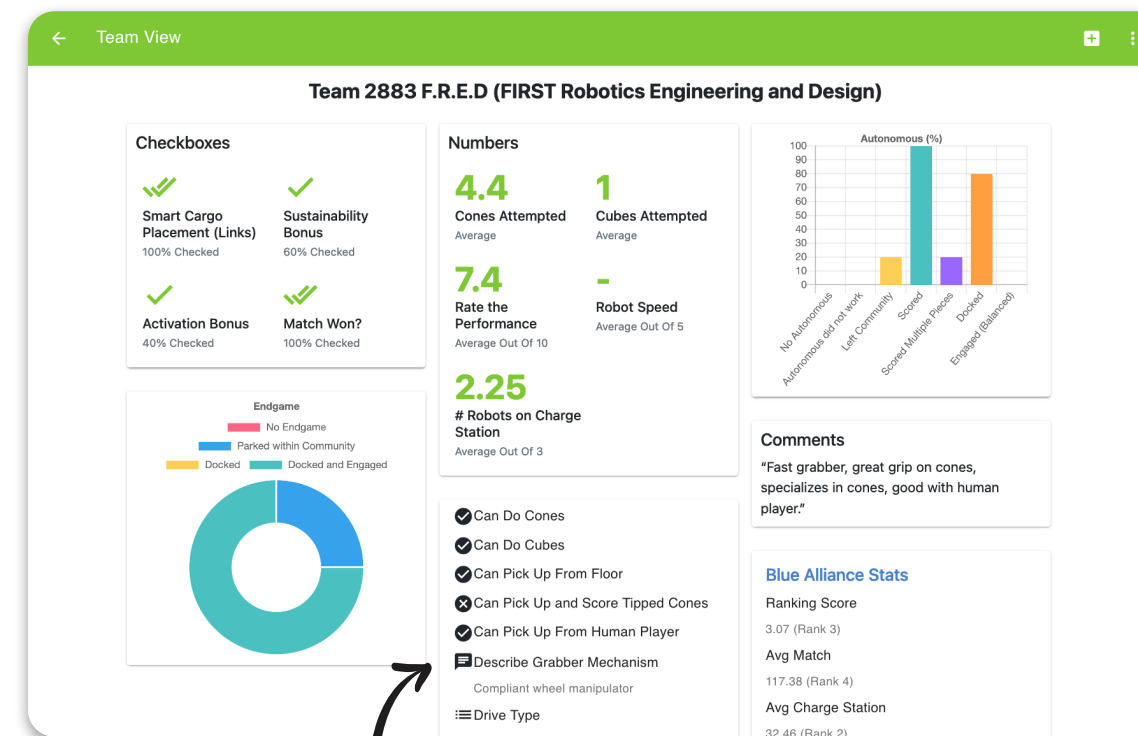
Swerve is a tool used by Team 2530 to collect and aggregate data about other FIRST teams. This data can be used to make strategic decisions during alliance selection. Swerve increased scouter engagement and greatly sped up data collection and processing.



Data is sent through
AirDrop, Quick Share, or
QR Codes.

Swerve
generates
a schedule
of assigned
matches for the
scouter

Scouters watch matches
and interview other
teams, recording info as
they go.

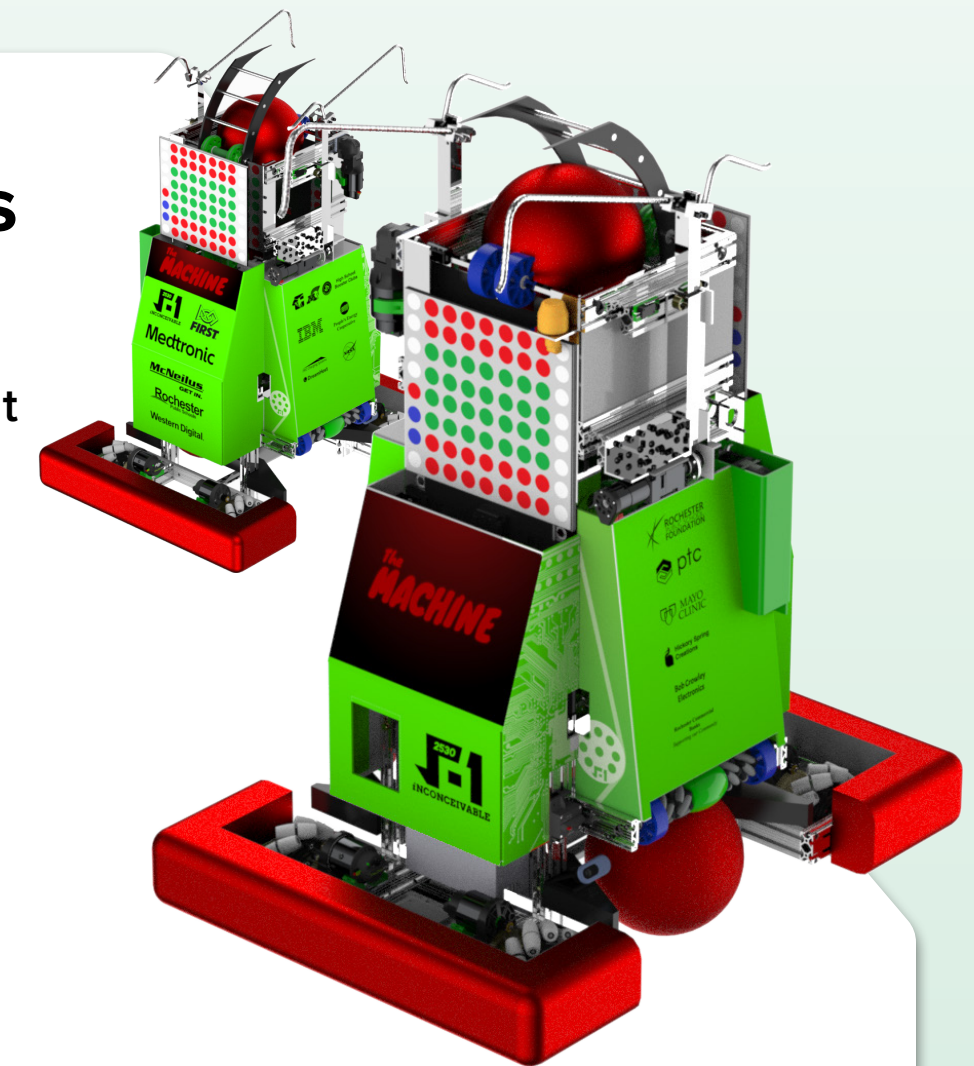


Team view clearly shows
all data about a team,
including up-to-date stats
from FIRST

Sponsor Boards & Shields

- Graphic Design & Layout
- Physical Modeling with
Corrugated Plastic &
Vinyl

2022 Robot Shown



Other Contributions

- Letters, flyers, sponsor
relations.
- Brand identity guides
- Robot programing sub-
team work
- Impact Award Submission

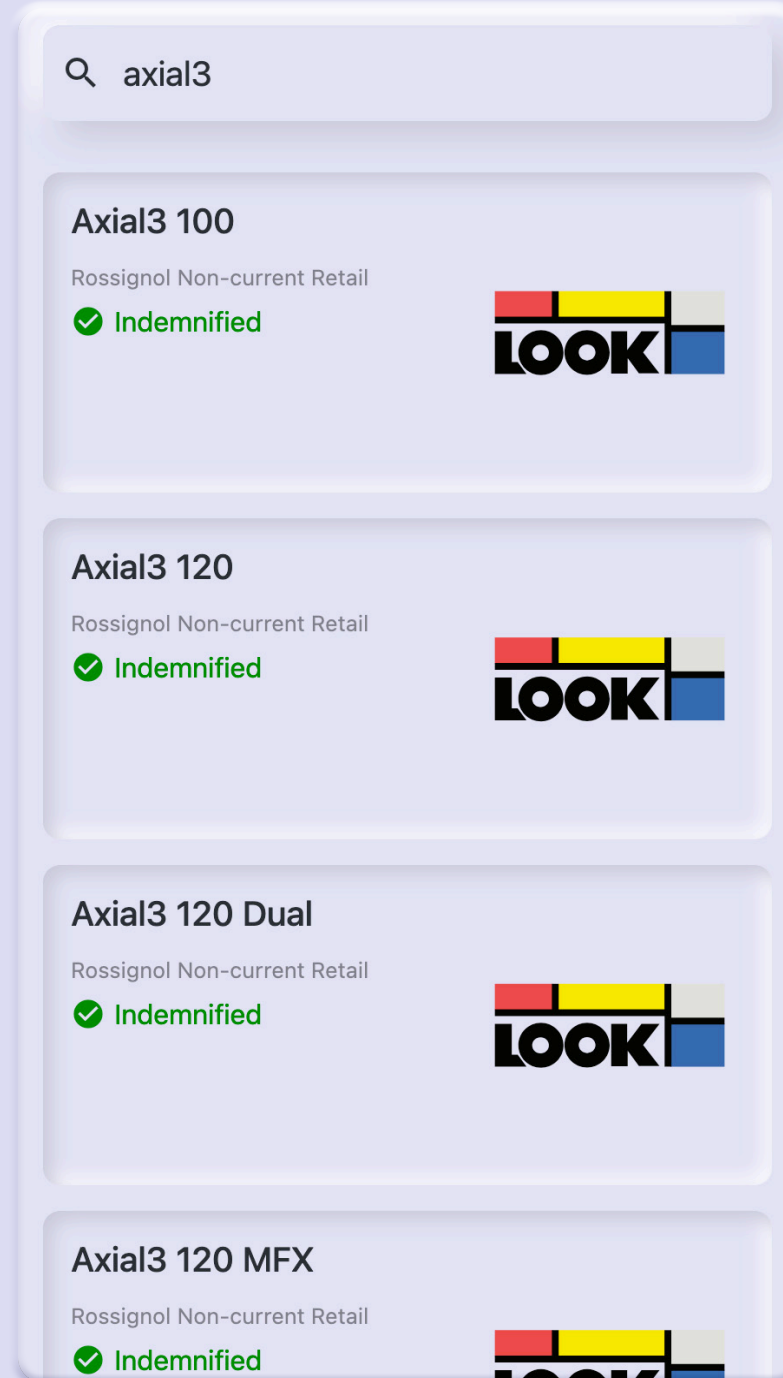
Other Work

Isak Winter



Indemnity Check

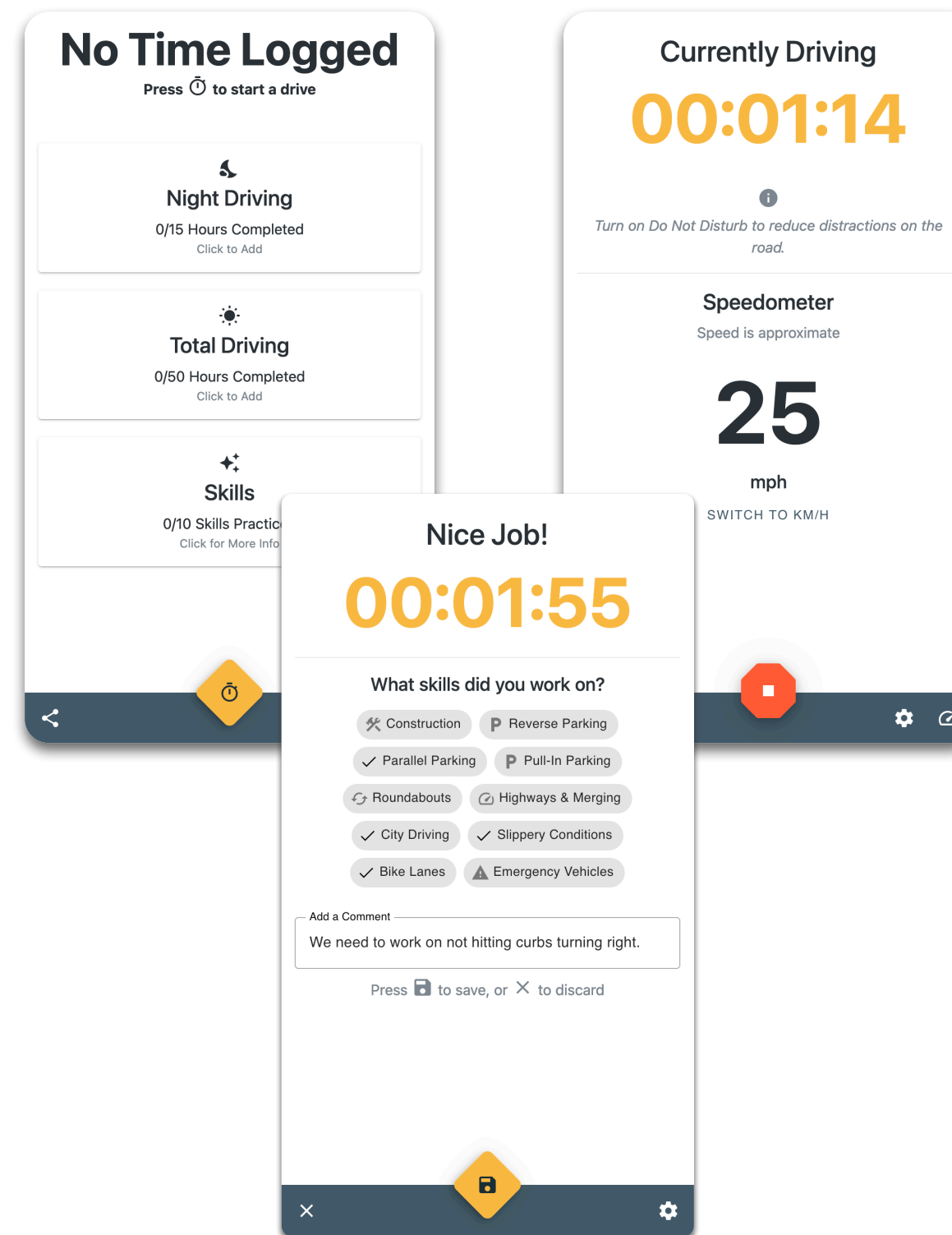
Ski technicians contractually aren't allowed to service bindings that don't meet current safety standards. Indemnity check allows technicians to search for bindings that are supported by their manufacturer without sorting through paper service manuals.



Student Driving Log

Users can monitor their driving permit progress and see the skills they need to practice.

A distraction-free interface with driving time and speed, so passengers doesn't need to look over shoulders.



A floating action button easily triggers primary actions - start, stop, and save.

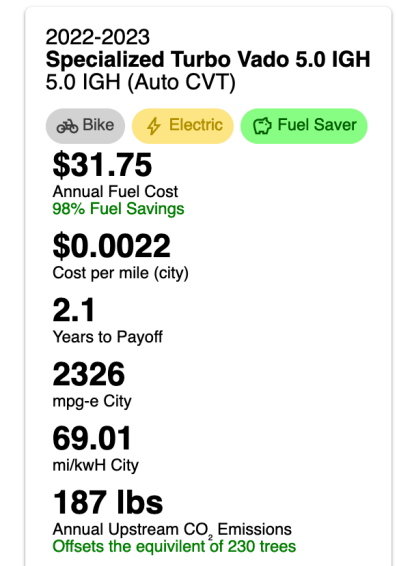
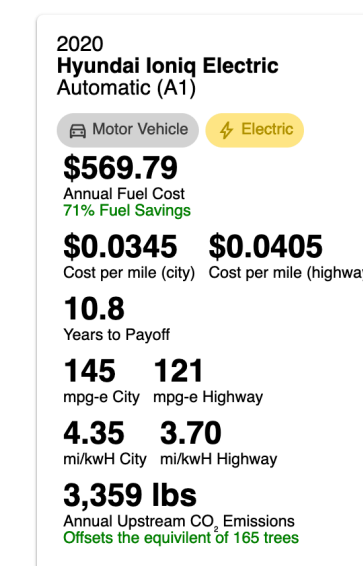
Current Job - Service & Repair



Since May 2021
Rochester & Saint Paul Stores

Vehicle Compare Project

An in-progress coding project that calculates fuel economy data across a wide range of vehicles, including electric bikes.



Drivers can see when a vehicle would pay for itself in fuel costs along with CO₂ offsets to make an informed decision.