Portfolio

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Hi, my name is Tom, please take time to have a look at my portfolio and please to contact me to ask any questions, request to see more work or to arrange a meeting.

Many thanks for your time and consideration.

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Project - The Round House

RSA Competition Entry 2020

Conceptual Render

The Brief

How might we harness broadleaved woodlands and thier resources to increase their local econimic, social and enviromental value?

Overview

A conceptual design project to link society with the woodlands once again, as the ancient communities used to be.

The goal of this project was to encourage social interaction and environmental awareness within society through the development of a community lead coffee shop.

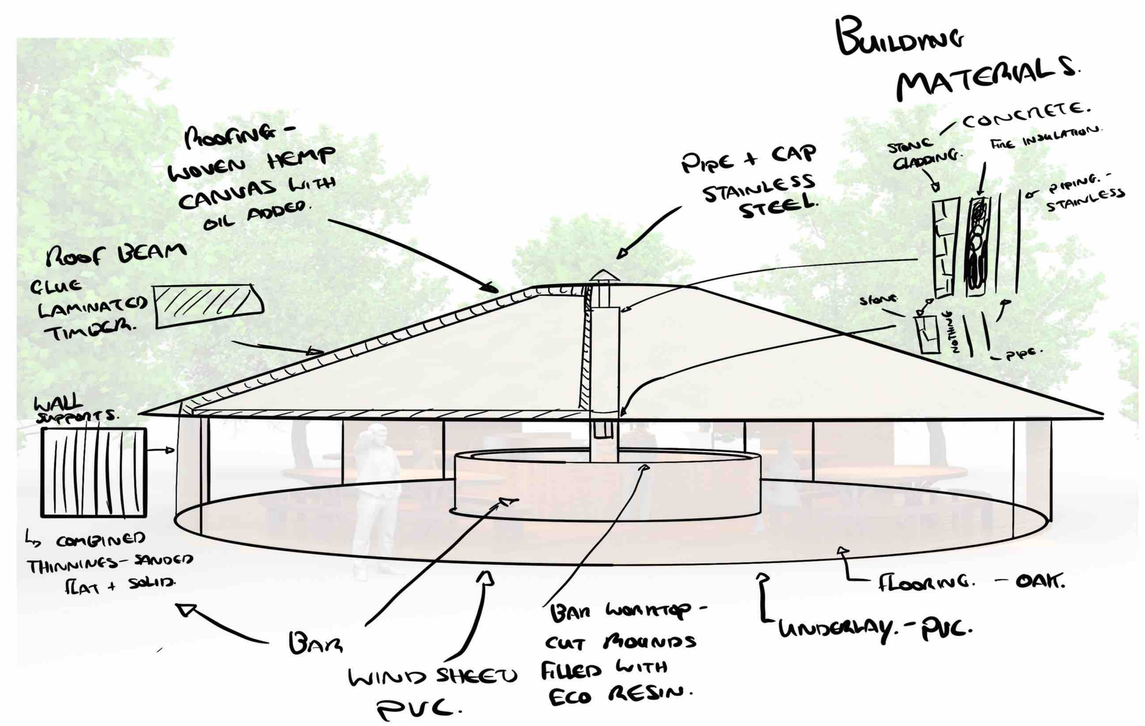
Key Features

Open plan coffee house

designed to encourage use of the woodlands

Celtic inspiration of enhancing community and connectivity to nature

Use of thinning to improve the economy of wood beyond burning



Project - The Round House

RSA Competition Entry 2020

Key Skills

Prototyping

Sketching

CAD Modelling

Rendering

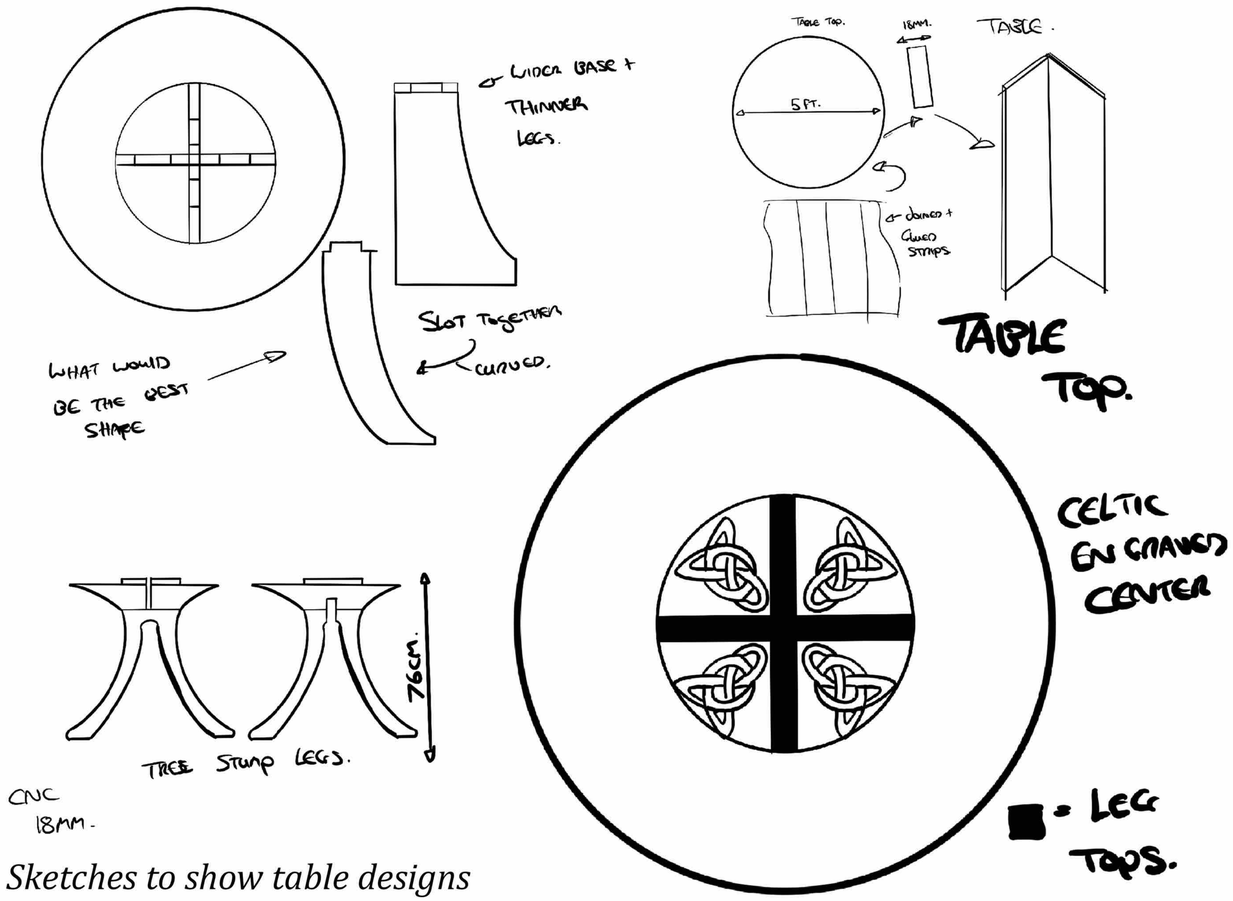
Branding

The use of scale models and prototypes has been vital to the development of the project. It has allowed the product to stay on a grounded and feasible route.

The use of round tables encourages interaction with new people as it provides a more open space to communicate. It also replicates Celtic shields and the roundhouses top view

Testing flat pack assembly methods

Logo



Sketches to show table designs

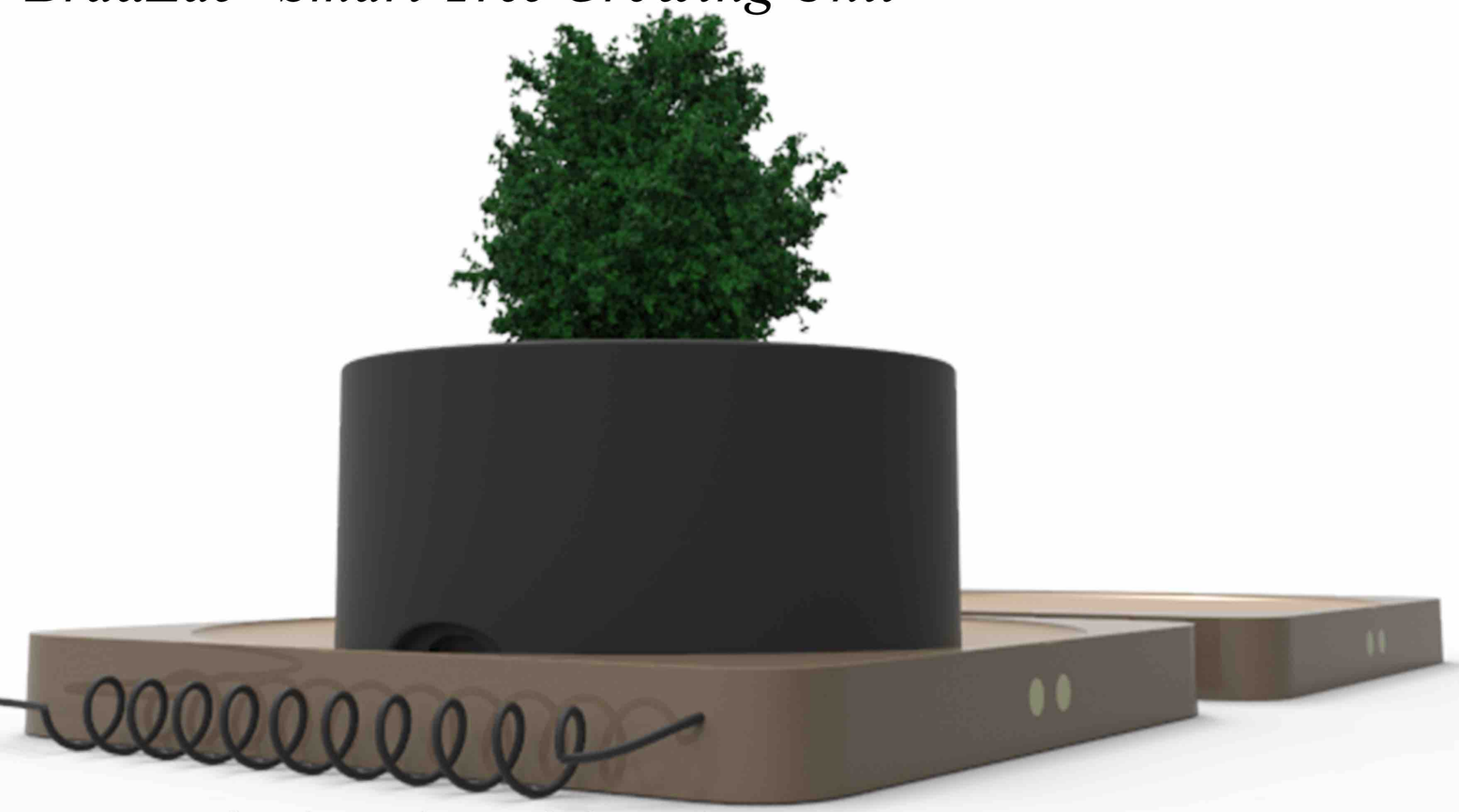
Project - The Round House

RSA Competition Entry 2020

Examples of work

Project - Grow!

BradLab- Smart Tree Growing Unit



Concept render of smart base and plant unit

Brief

Promote the growth and planting of trees whilst creating a social norm from to reduce the occurance of flooding caused by global warming and help create a connection between society and nature.

Overview

A combination of a service and product range to create a enviromentally positve society.

A smart technology product to allow easy and simple growth of demanding young trees before they are ready to be planted outdoors.

Key Features

Companion App

Plant Tracking

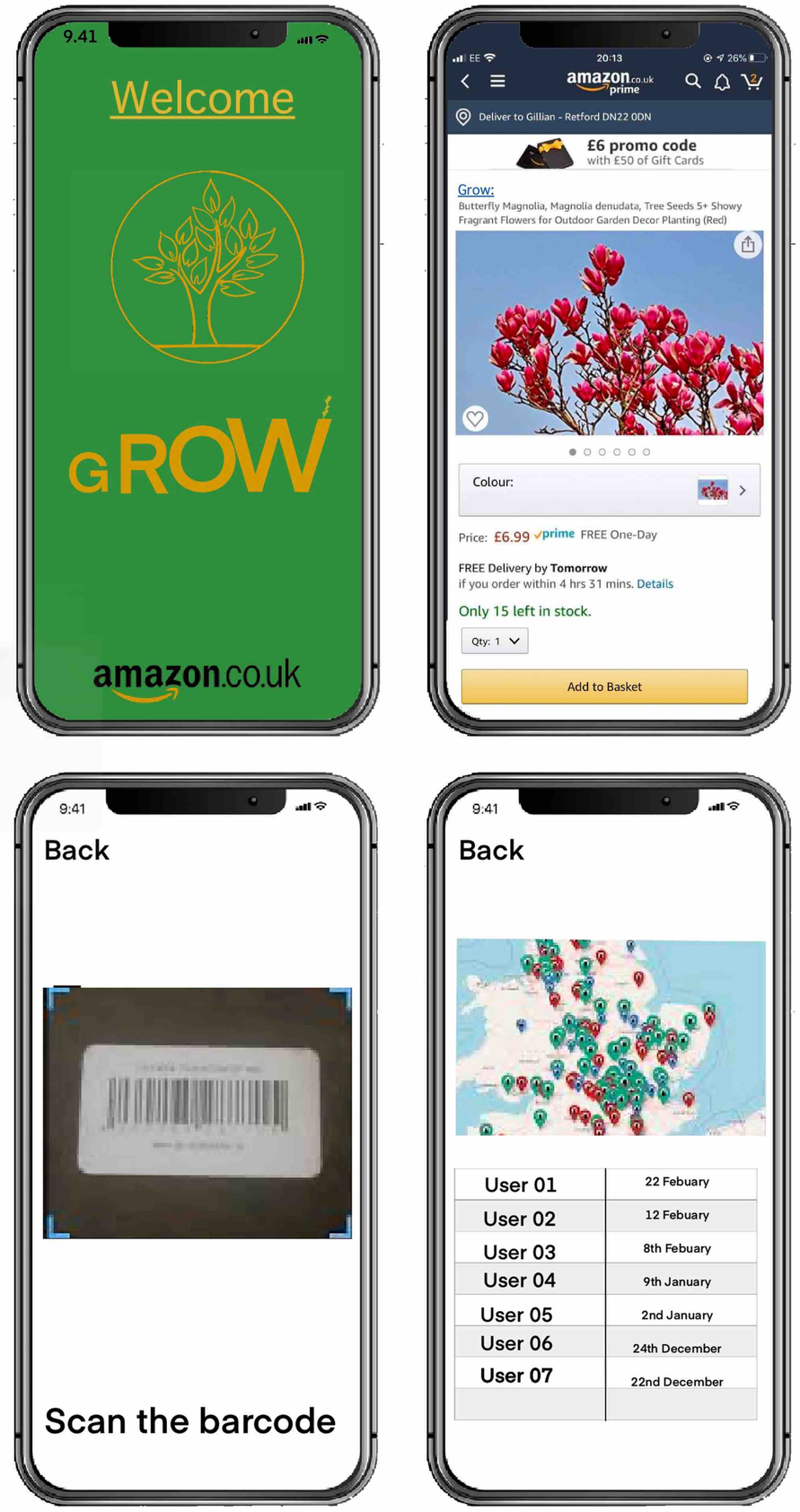
Smart Scan Log

Simplified Bio feedback data

Modular growing base

Grow! Community

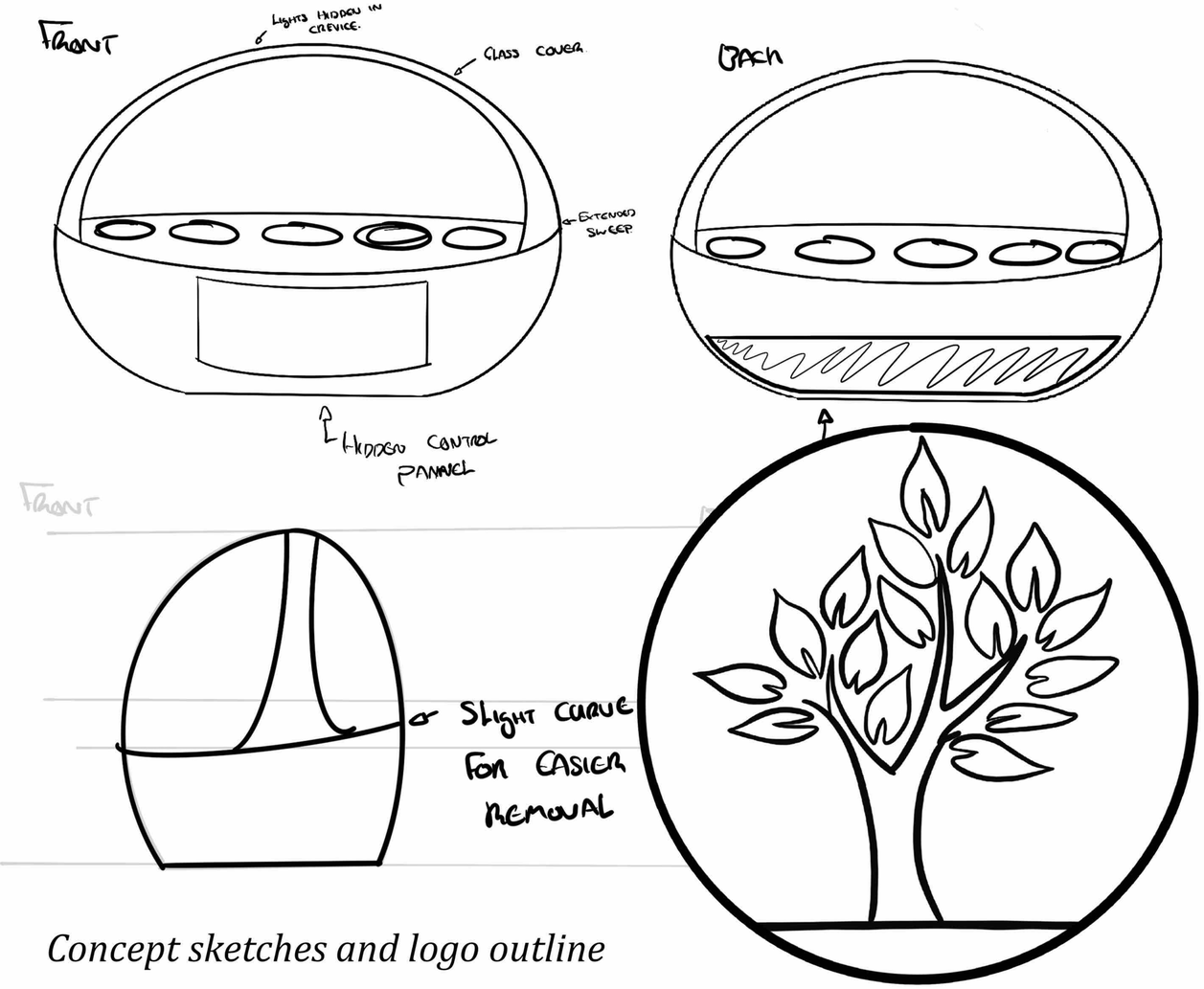
Compostable packaging



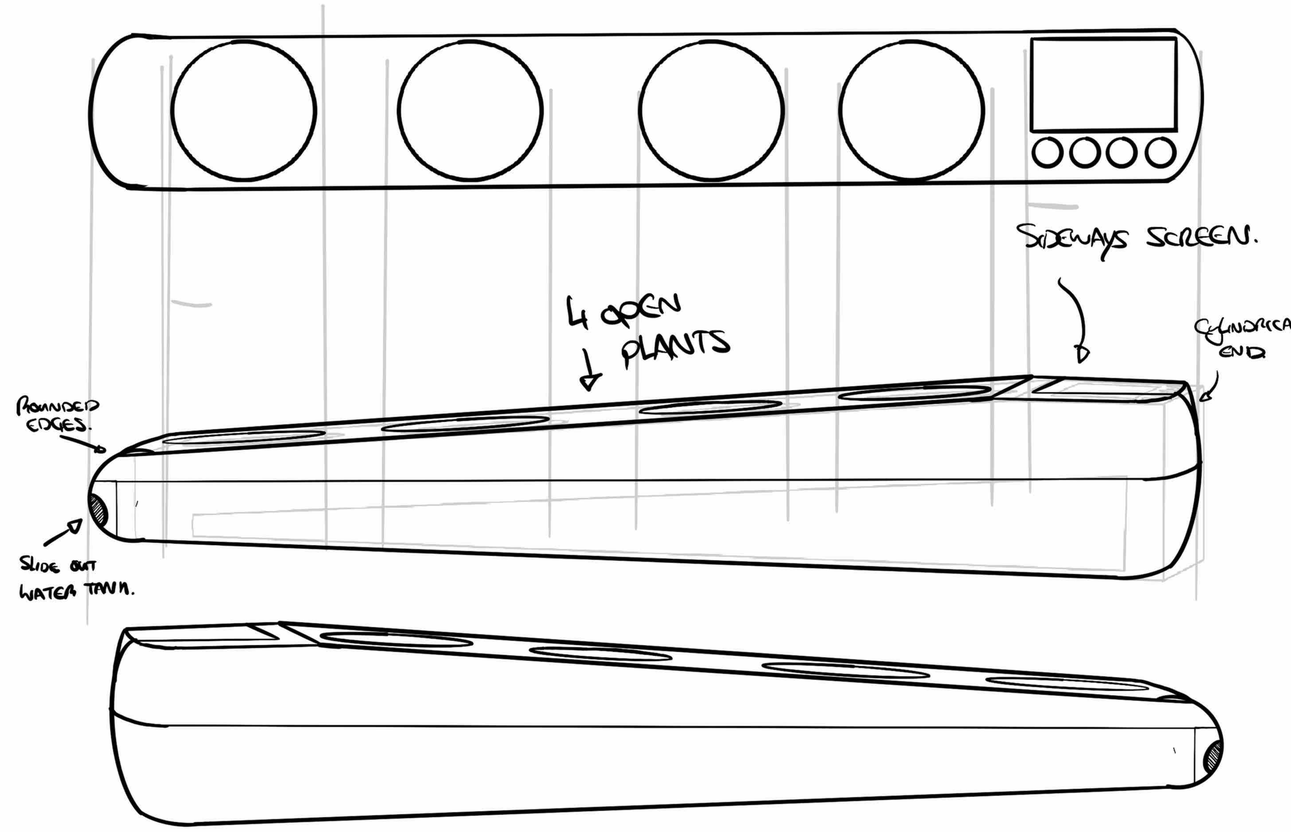
Mock up visualisation of app and graphics

Project - Grow!

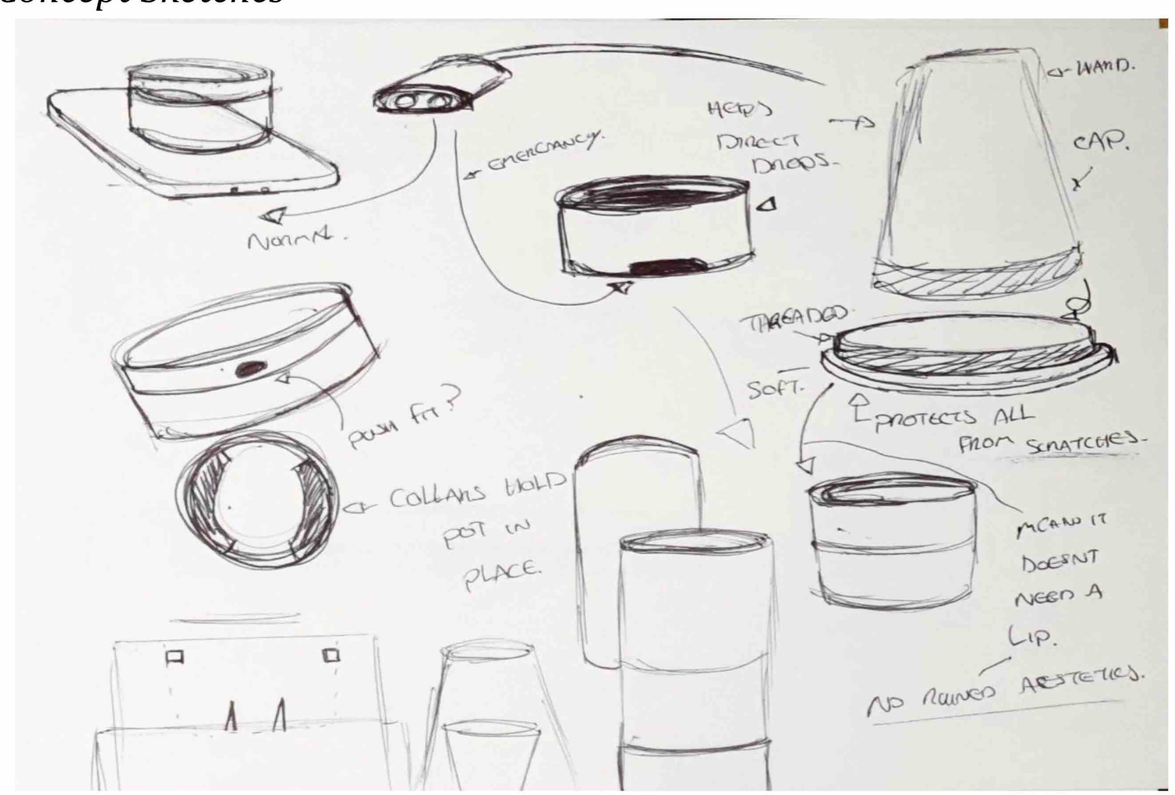
BradLab- Smart Tree Growing Unit



Concept sketches and logo outline



Concept Sketches



Inital Concept sketch sheet

Key skills

Sketching

Branding

Prototypes

Graphics

CAD

Rendering

Photo Editing

As shown, there are different levels to how I sketch depending on the information required to be relayed to the viewer and the time available to put down my thoughts onto paper.

Sketching has been vital to the development and understanding of how parts of the product and service will interact with each other into an overall experiance.

Project - Grow!

BradLab- Smart Tree Growing Unit

Examples of work

Project - Bell Javelin

Smart Technology Time Trial Helmet

Brief

To re-develop and plan marketing for a piece of personal safety equipment and improve the overall functionality of the product.

Overview

The product chosen was the Bell Javelin time trial helmet.

The redesign worked on the application of a HUD into the visor, better road visibility and awareness.

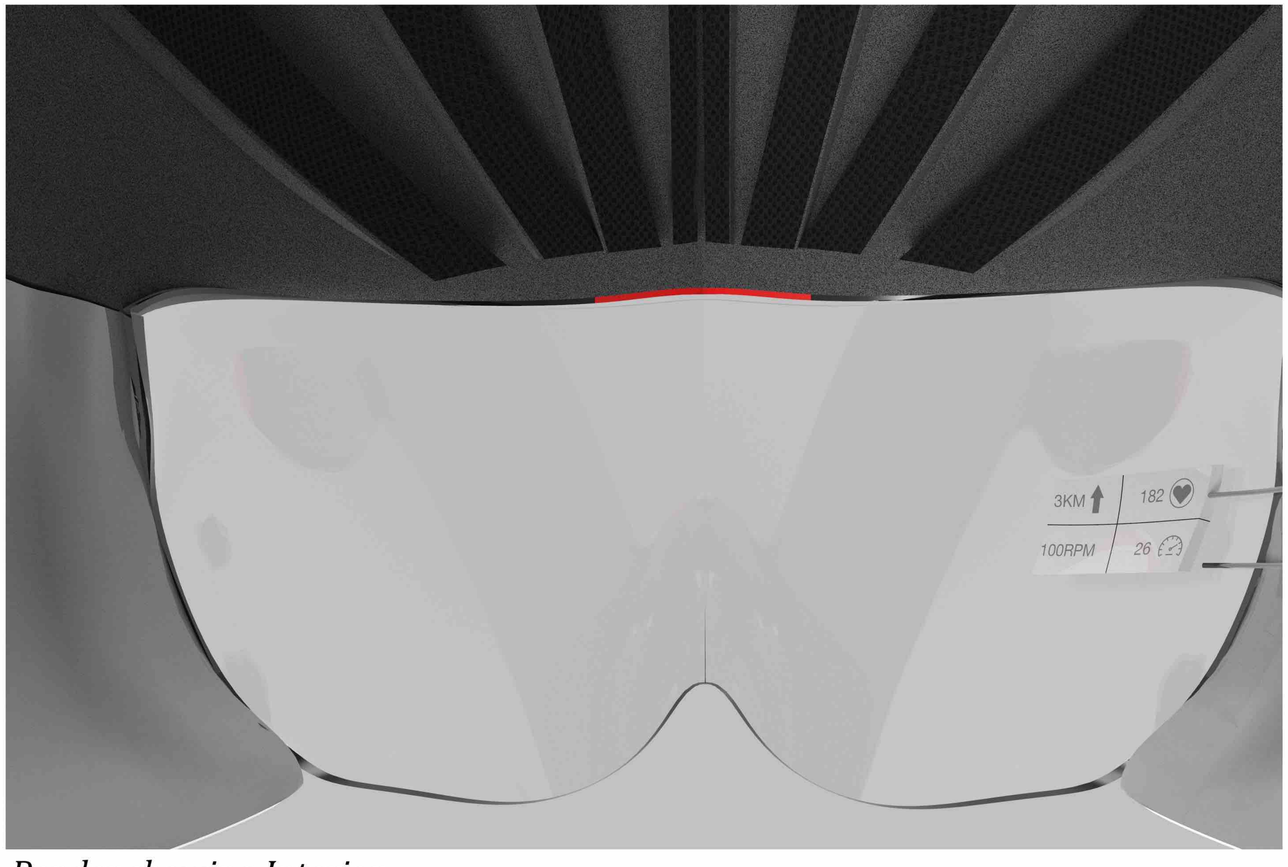
Key Features

Heads up display unit stoppping the need to take eyes of the road.

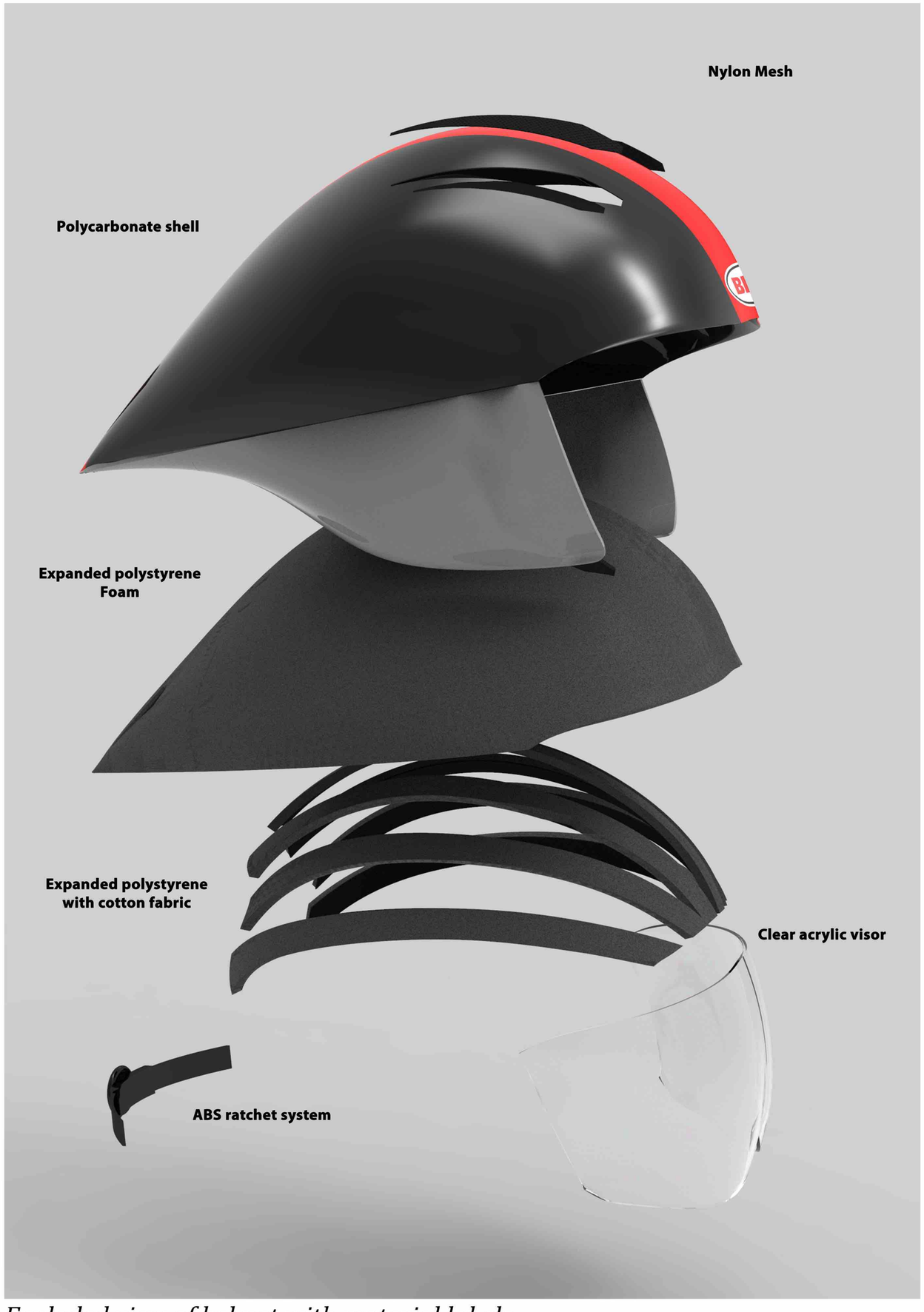
Larger visor to increase visibility.

Larger air vents to stop sweat into the eyes.

Integration of MIPS technology to improve impact rating.



Render showing Interior

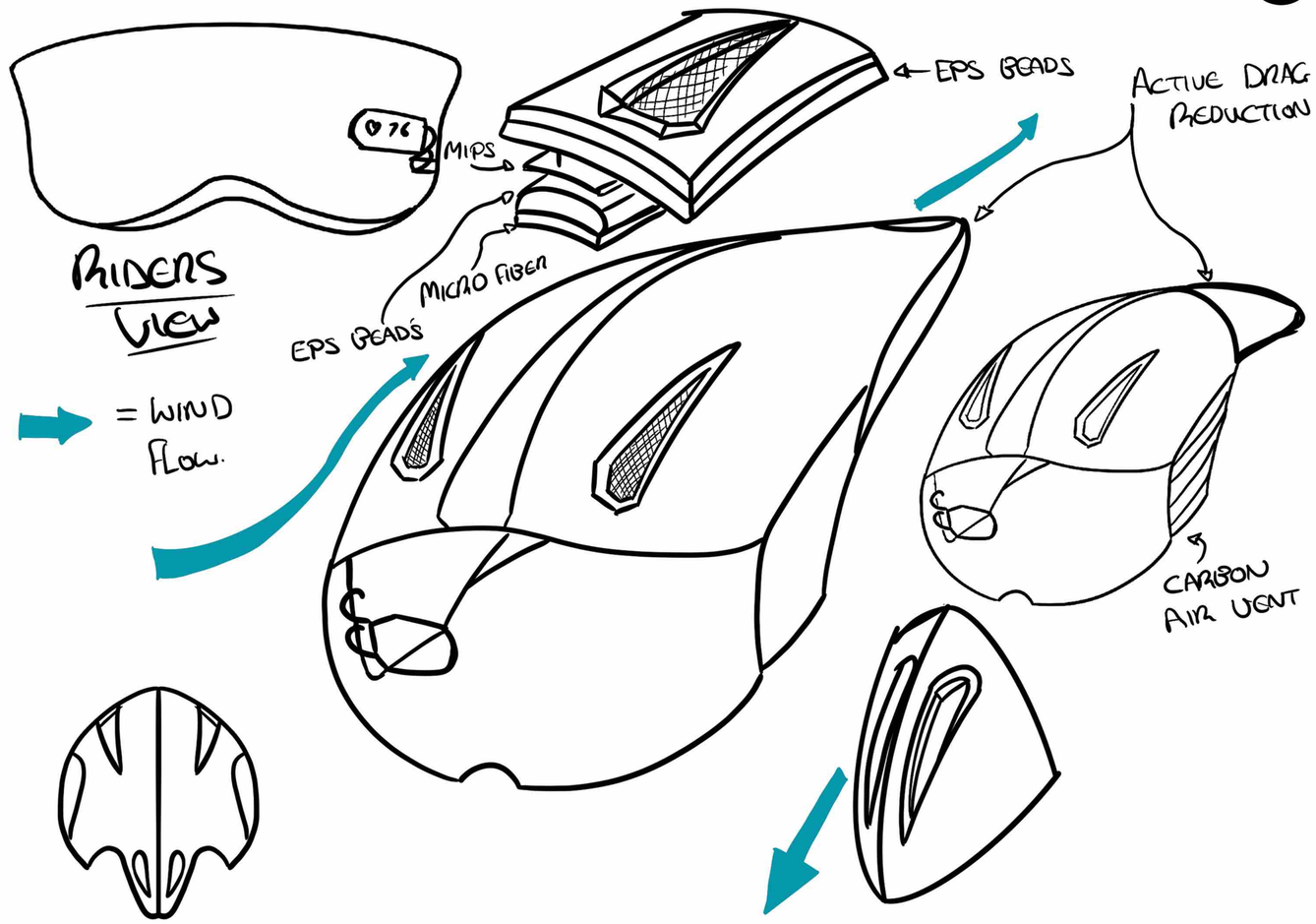


Exploded view of helmet with material labels

Project - Bell Javelin

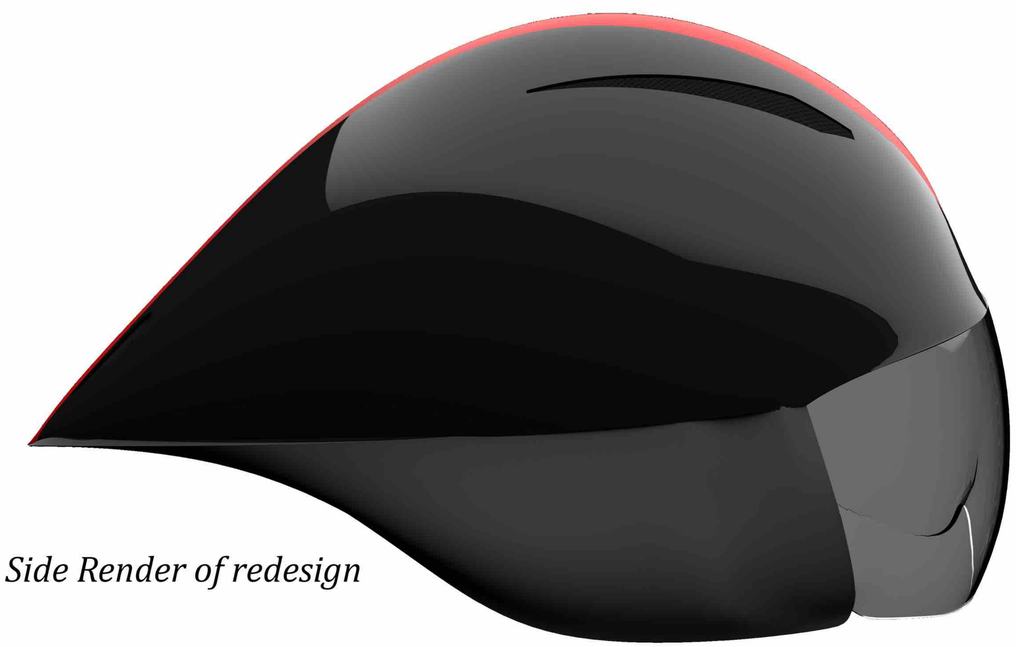
Smart Technology Time Trial Helmet

Side image of Original



Development sketch page

Comparison of forms



Side Render of redesign

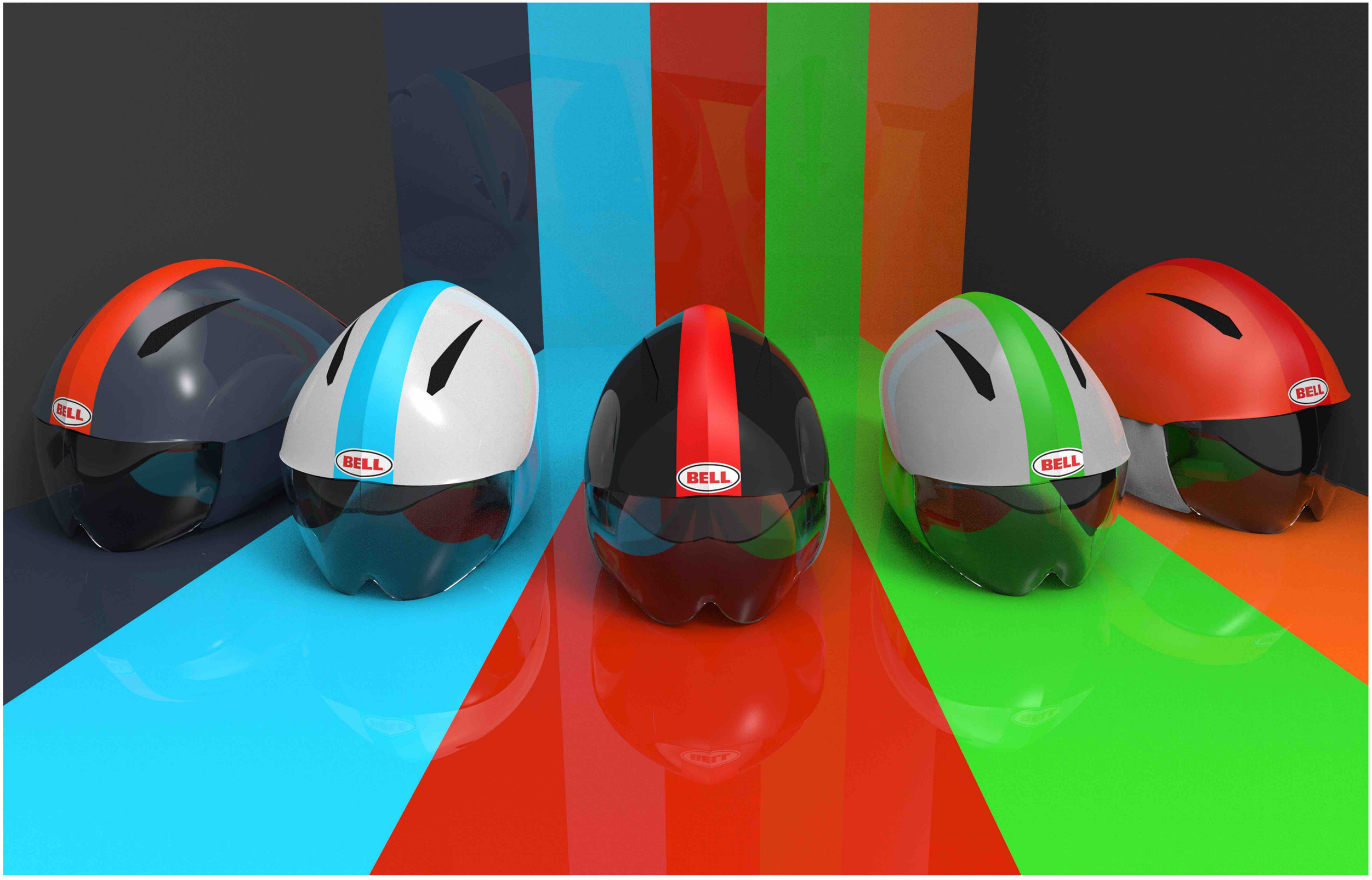
Render of the two versions side by side

Project - Bell Javelin

Smart Technology Time Trial Helmet

Kick Starter Page and product annimation video: https://15619760.wixsite.com/mysitetomgregory

Render: The full colour range



Project - CAD Reproduction

Reproducing the Life Fitness dual cable gym equipment

Brief

To reverse model gym equipment and render within a realistic interior environment.

The dual cable machine by Life Fitness was selected.

Overview

All modelling and rendering was within Rhinoceros 5 and Keyshot 7.

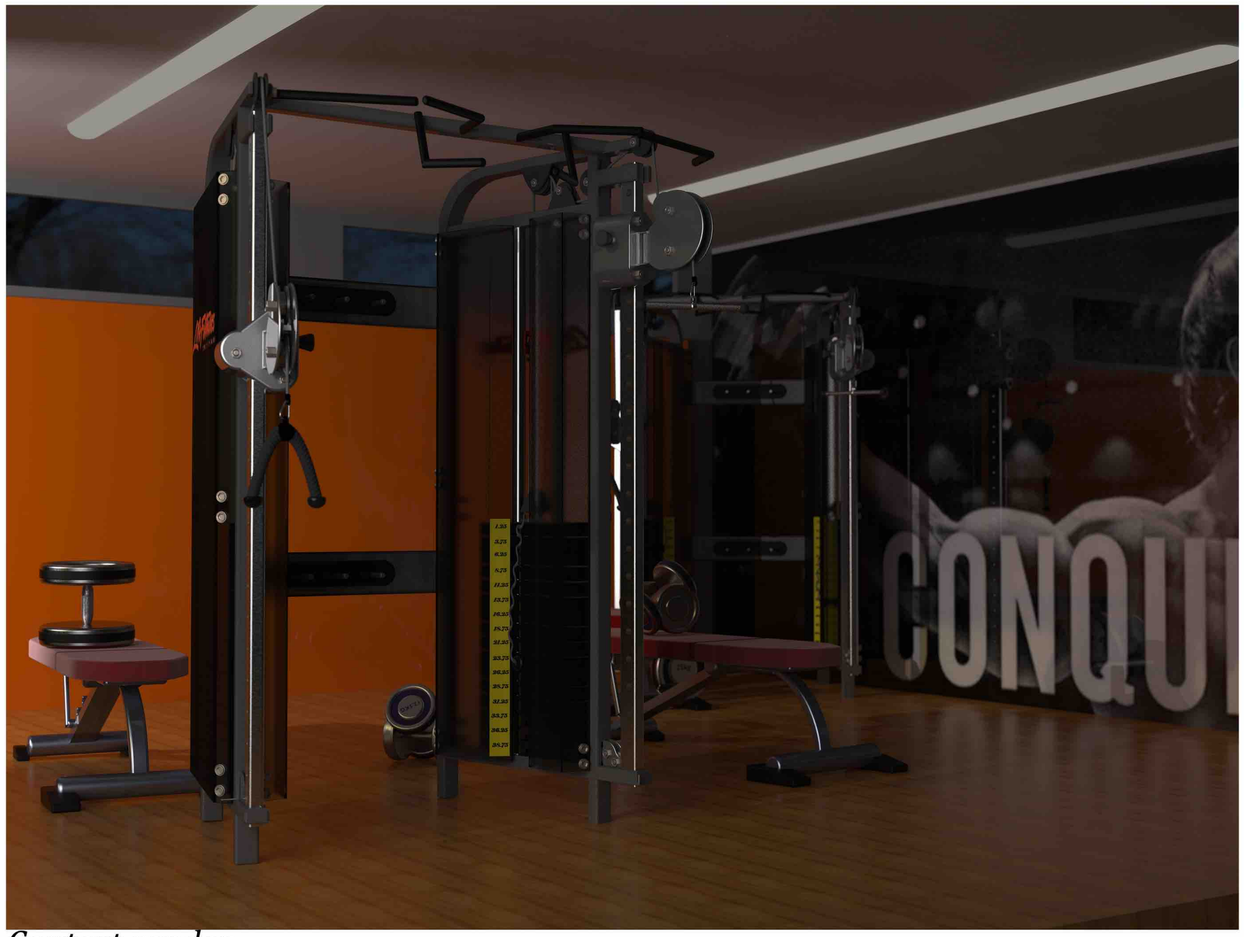
To ensure accuracy, measurements were taken from the same equipment from within the university gym, along with visual references.

Key Skills

CAD

Rendering

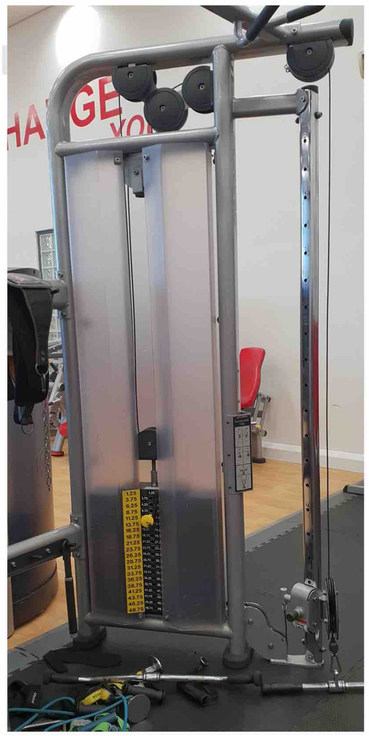
UV mapping

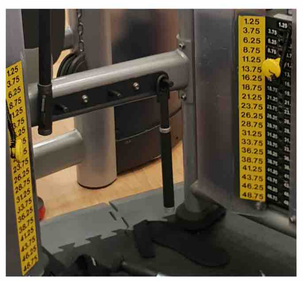


Context render

Visualisation render

Online stock image





Photo's taken from the University Gym

Project - Garden steps

A collection of Summer Projects

Background

My old employment was a gardener at Kettlethorpe Manor. They found out I wanted to do design so offered me the opertunity shown on this page.

Brief

To create a clear view of the sundial from the bedroom window of the house.

Overview

Firstly a concept was quickly drawn and pitched to my employers and then when approved first the land was cleared of buushes. Next materials costing and insatallation occured.

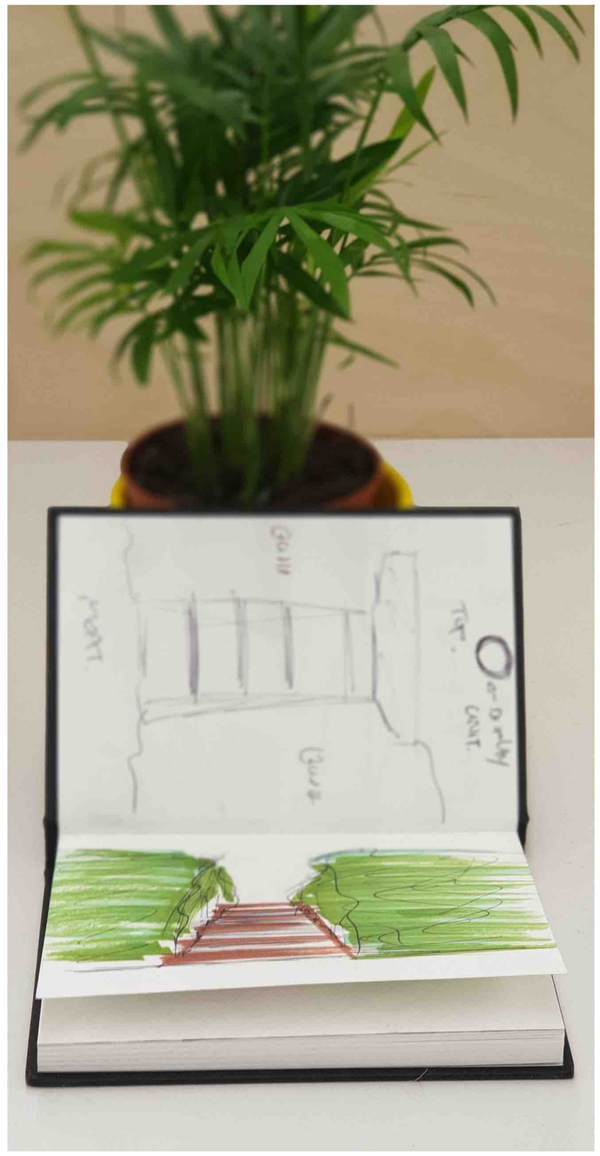
Key Skills

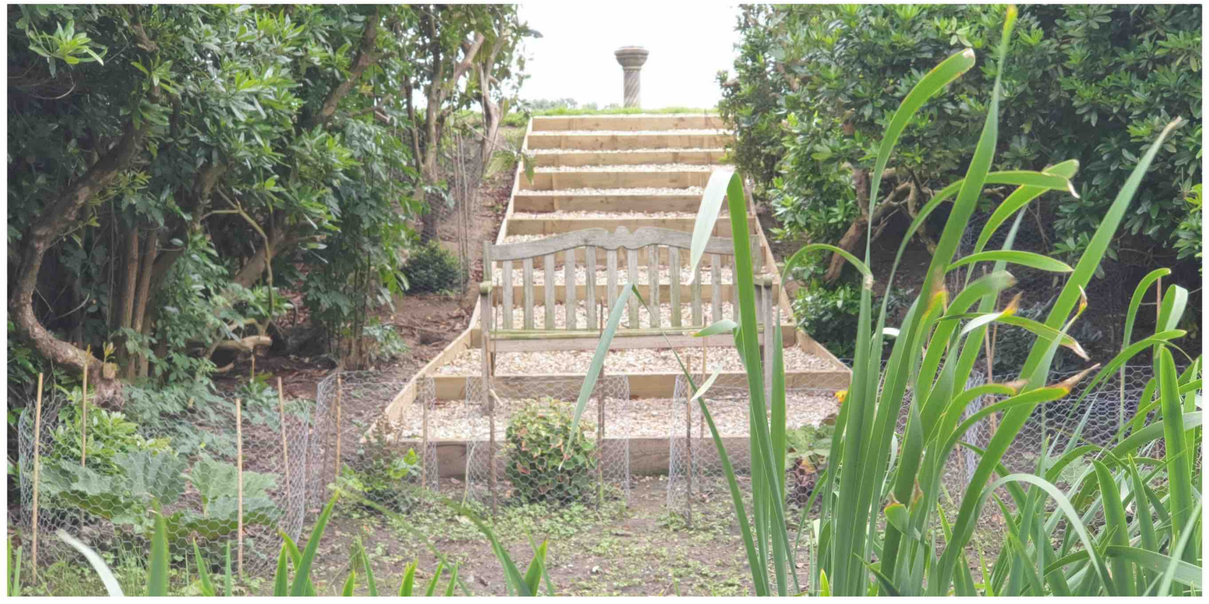
Sketching

Client Communication

Pricing and quotation

Installation





Project - Nespresso Pod Holder

A slot together design

Brief

Produce a budget and simple way to hold Nespresso pods onto the side of the machine.

Overview

The product was made using 6mm MDF on the laser cutter after making a scale model of my machine and producing the plans in CAD.

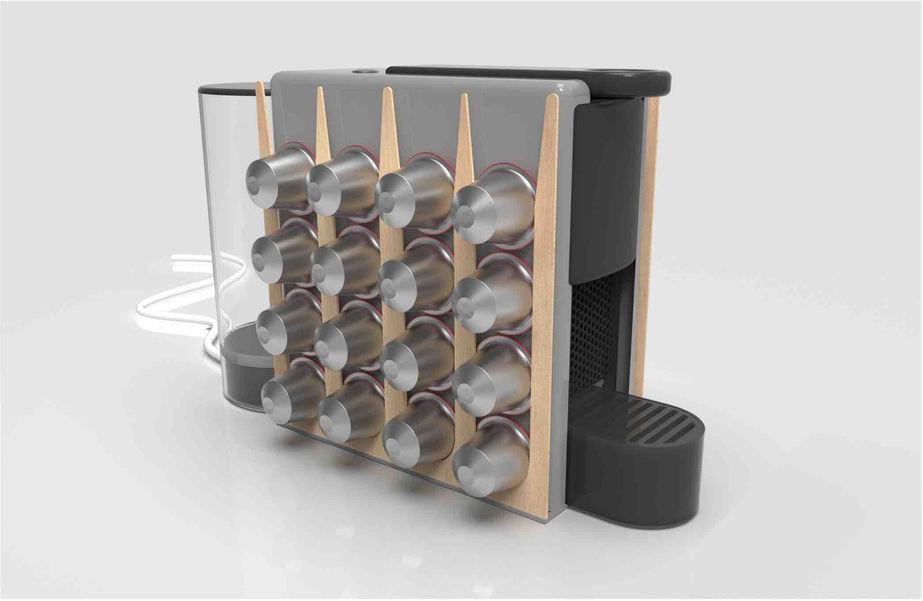
Key Features

Ability to store 24 pods

Chose to use MDF to reduce costs.

Slot together design requiring no glue and can be folded down to move easily.

Requires no finishing once machined.



Render of concept

Visualisation of connection

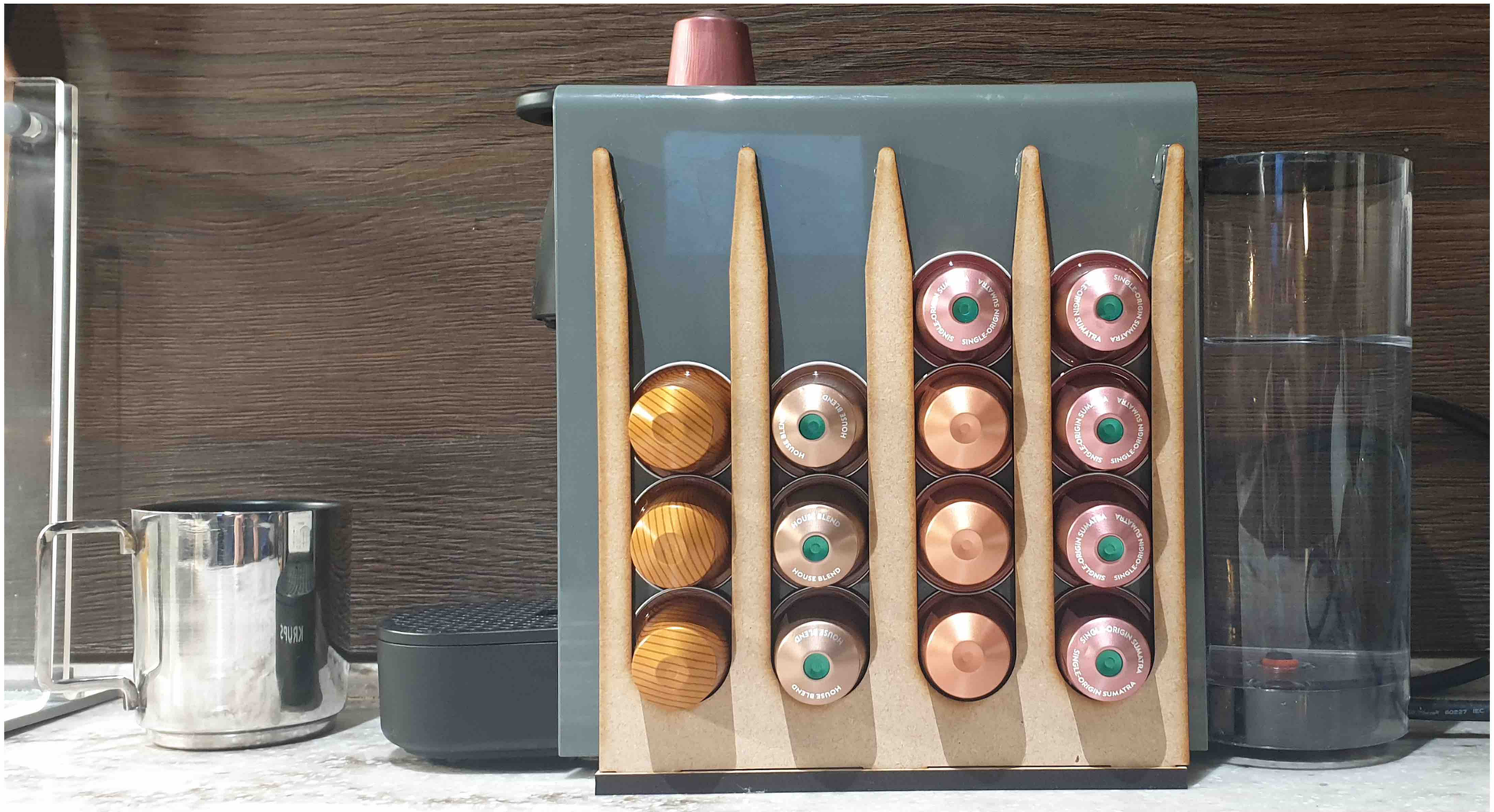


Photo of final outcome

Project - The Pebble

A sensory music maker

Brief

Design a conceptual ambient sound producer to create a backing track for the long office days and study periods.

Overview

Inspired from Scape by Brian Eno, The Pebble, is an ambient sound producer designed to help relax and provide a subtle backing track to improve concentration

The basis of the ambient music is created by the interaction of the growing bonsai with the surrounding environment and its condition. As the bonsai grows the weight changes, this weight sets the base notes produced.

Key Features

The main sound is controlled by the Bonsai's growth.

The pebbles adjust the sound created.

The pebbles weight draws connectivity to the product.

Live wood edge to create irragularity

Two USB ports.

Relaxing atmospheric music.

Spotlight Render

Dirty Prototype

Render showing USB and power points

Project - The Degree Show

Leading and planning of the end of year show

Brief

The planning and design of the end of year Product Design Degree Show that is happening on the 30th of May untill the 5th of June.

Overview

Untill the event, I will be leading the design and assembly of the end of year degree show for my course and will be working with peers to ensure a great final display.

Below are renders of the proposed concept.

It is still work in progress.

Key Features

Regular presentations to peers and lectures.

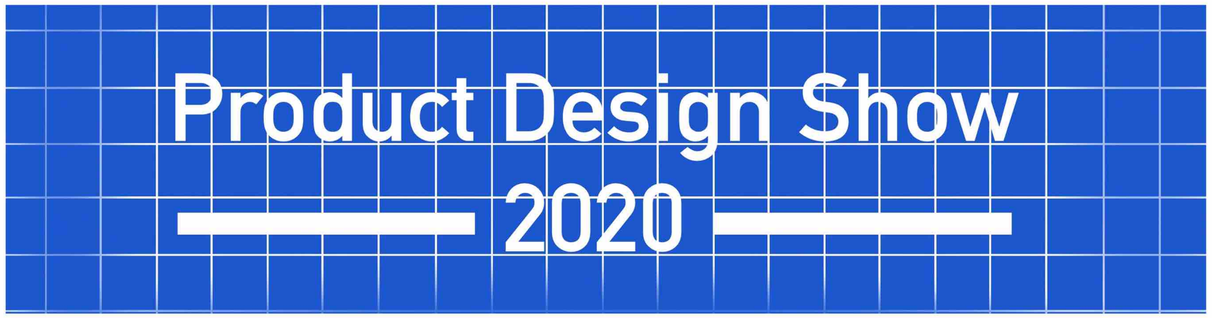
Planning and budgeting.

Interior design.

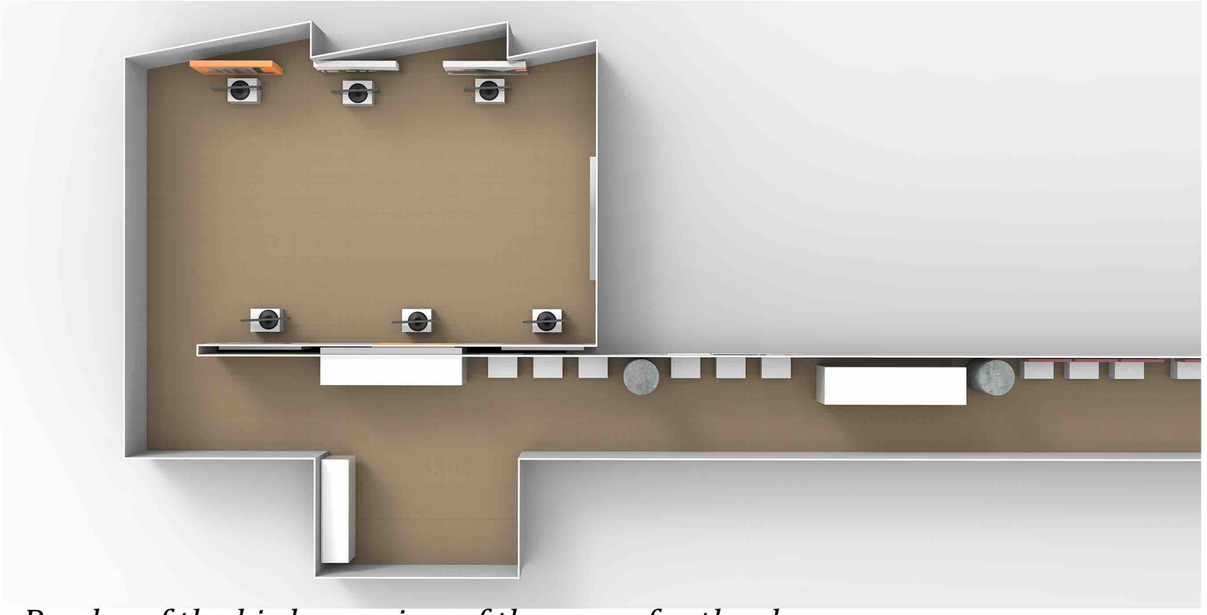
Stand Design.

Meeting with senior staff.

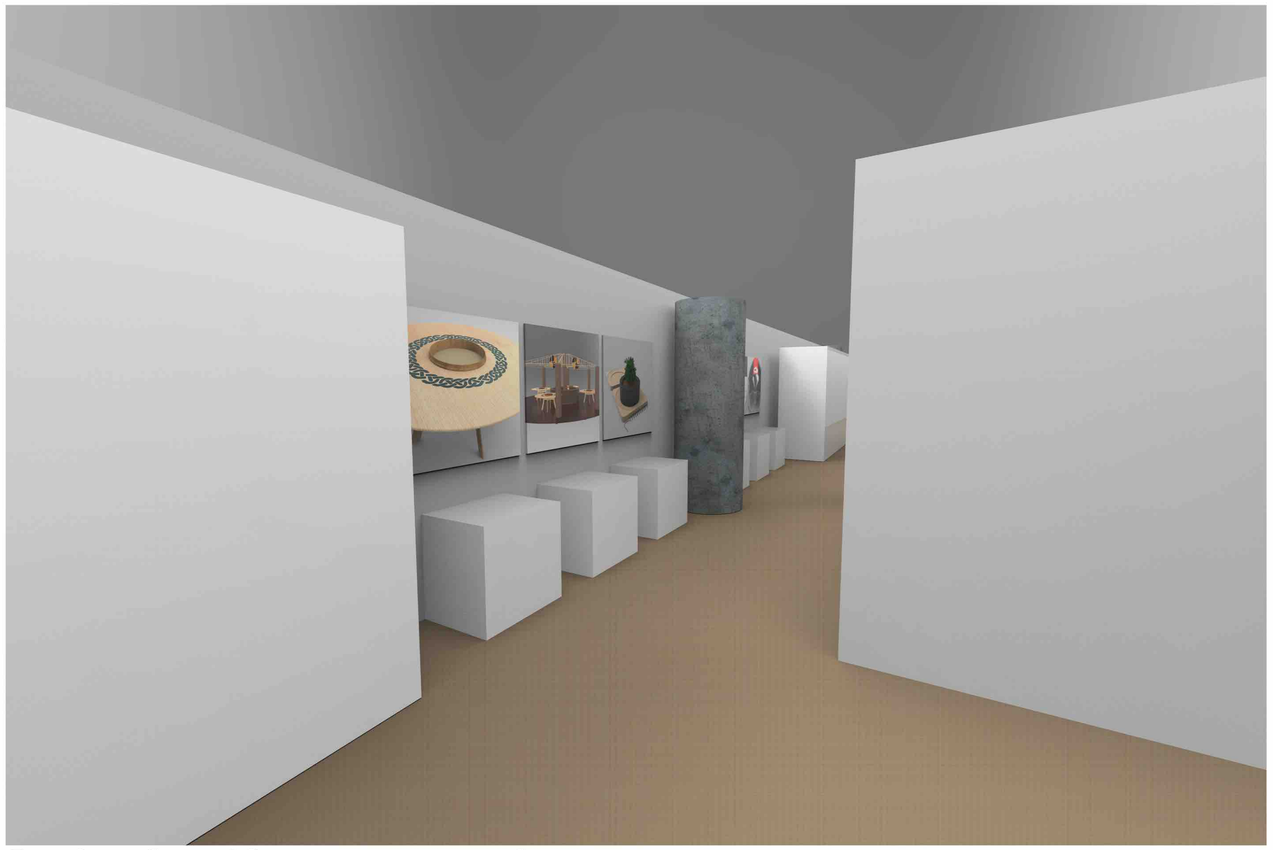
Brochure Design.



Inital proposed logo and theme of blueprints



Render of the birds eye view of the space for the show



Render of corridor space proposal

Render of classroom space proposal

Project - Twitch Emotes

Commissioned by RadioReece

Brief

Produce a range of 72px emotes for a streamer called Radioreece on the platform Twitch. and a logo of the same theme.

Overview

The style was set as cartoon by Radioreece and he also explained how the subscriber tiers worked. Many examples he showed intrest in followed the skull theme due to his target audiance being First person shooters.

Key Features

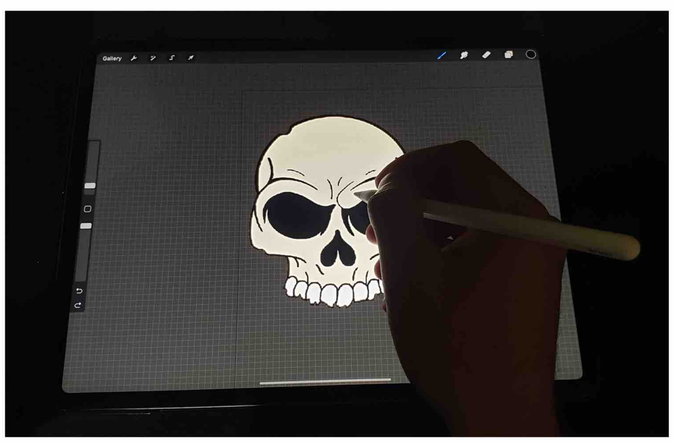
Working with a client.

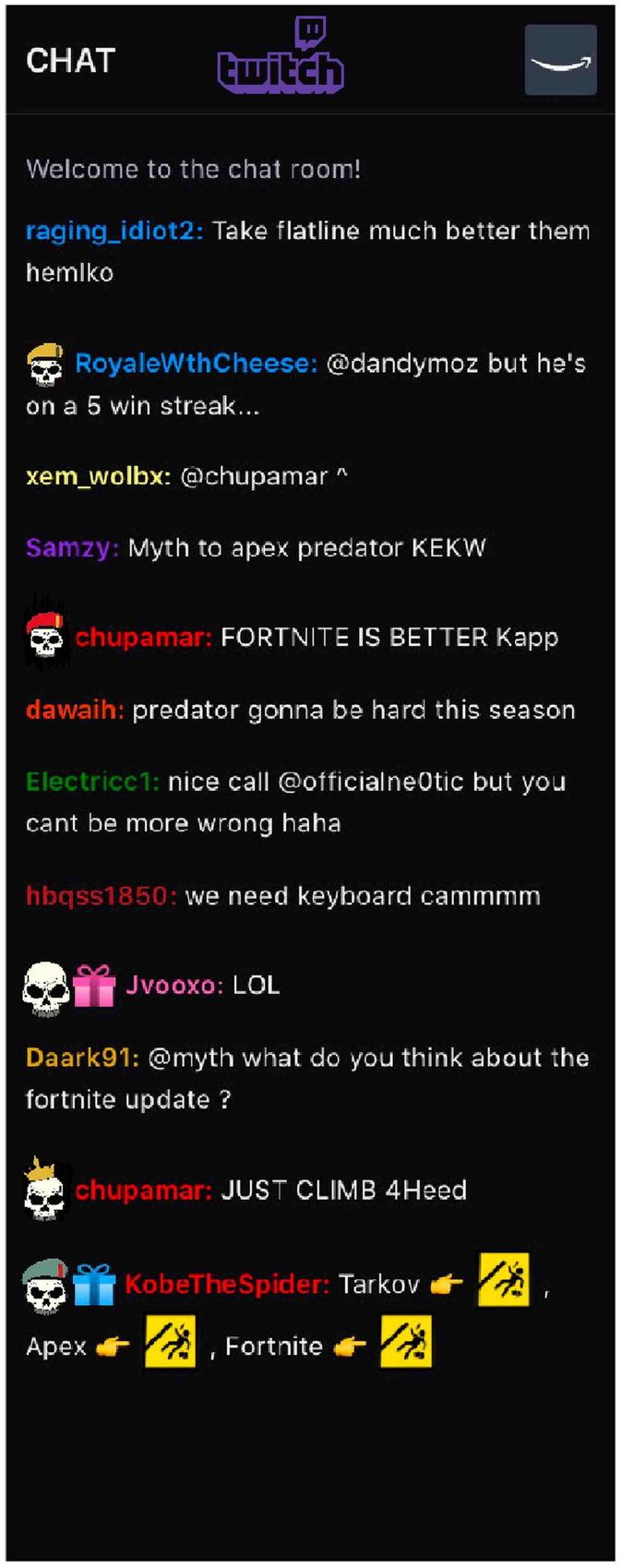
Tight size format.

Short turn around of a week.

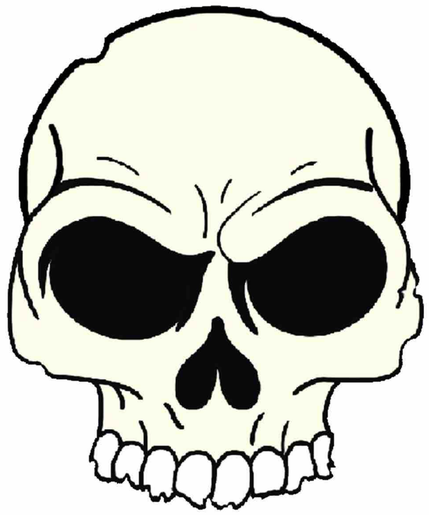
Drawn Digitally.

Clear visability even in 16x16 px format.





Base



1 Month

2 Month

6 Month

1 Year

New Logo

Tom Gregory

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Thank you for your time and consideration.