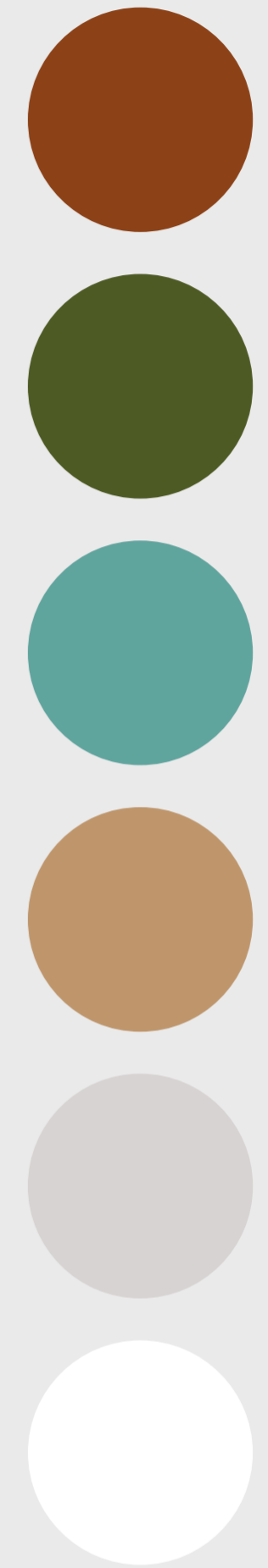
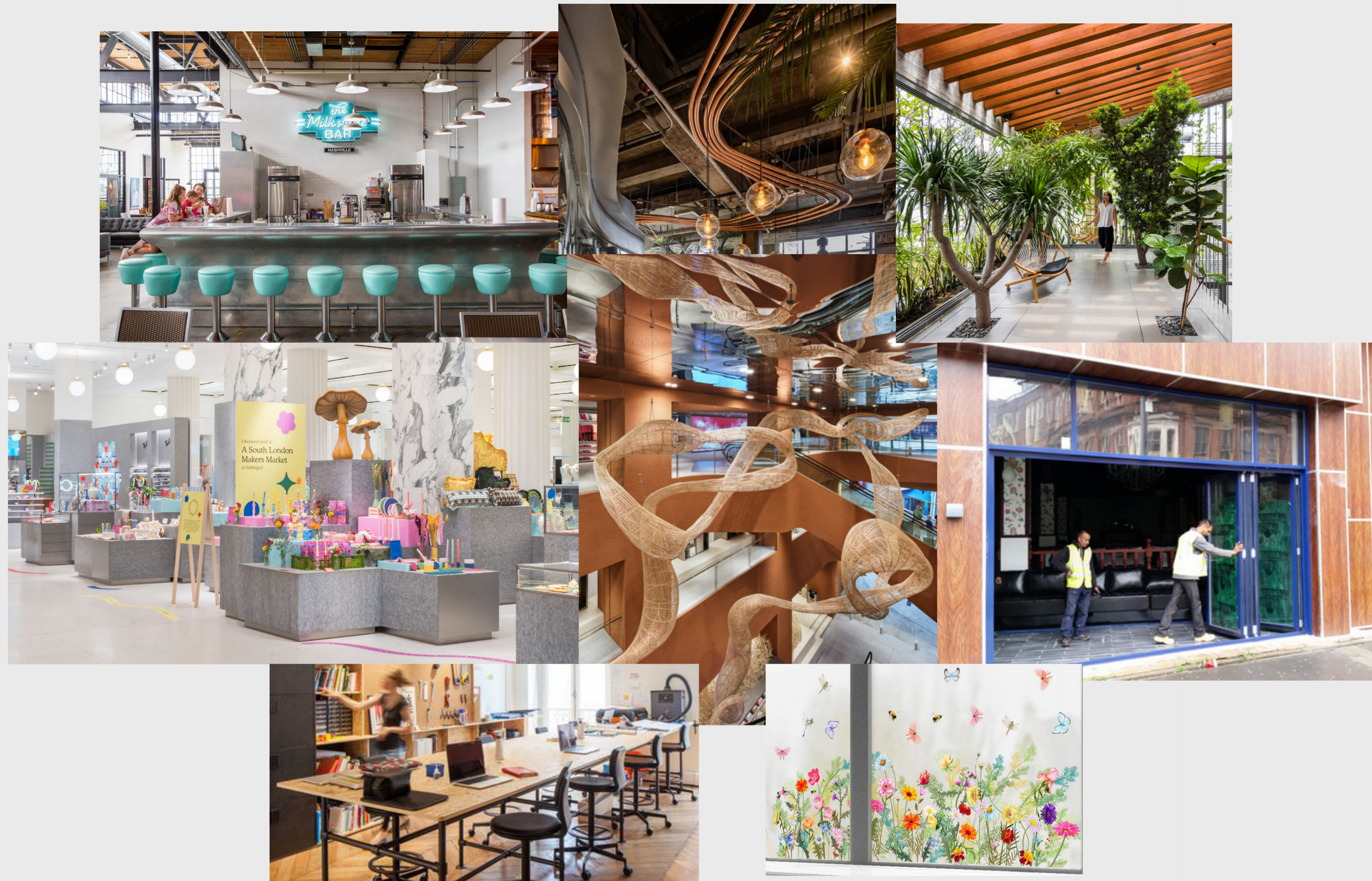


FAB LAB PROPOSAL



INNOVATIVE MARKET

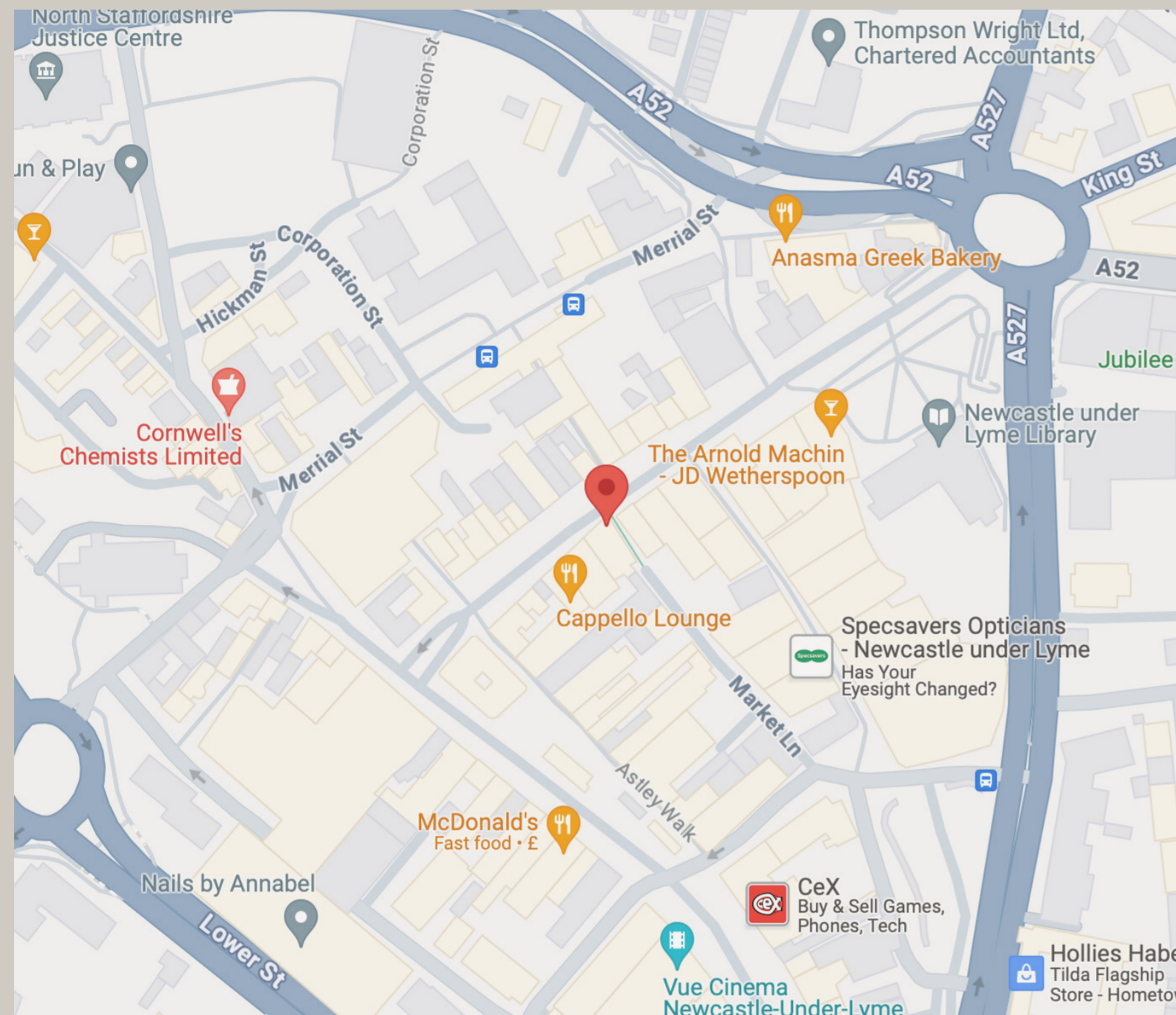
The project involved re-inventing an empty 19th century building, within the heart of Newcastle-under-Lyme's town centre, turning it into a FabLab. Keele University was the client and highlighted that they wanted to integrate the town and University and address a local need. This project **addresses the possibilities the re-invented space can bring to the local town and develops workspace and learning environments.**

My aim for the Newcastle-Under-Lyme site is to create an arts and crafts based FabLab to be a **catalyst for community growth** acting as a **hub for small local businesses** to host pop up workshops addressing the local need of the lack of creativity. The aim would be for them to start to develop at the Fab Lab and end up filtering into the town high street addressing a local need to **re-develop the high street** and promote communal creativity for **collaborative innovation.**

RESEARCH & ANALYSIS

THE SURROUNDING AREA

IDENTIFYING A LOCAL NEED IN THE NEIGHBOURHOOD



A local need I identified is that there is a lack of creativity, culture and arts in the local town and Keele University. Other creative shops do not incorporate multiple businesses or different kind of arts and crafts for all demographics. Most of them focus on one subject of arts or are designed for children.

I want to **address this need by acting as a catalyst for regeneration** creating an **arts and crafts focused fab lab** to help educate all types of users in the demographic and create a local hub for small local businesses to teach and educate others.

RESEARCH & ANALYSIS

PRECEDENT ANALYSIS

PAPERDOLLS



Paperdolls is an **arts and crafts pop up market** which was an **intervention created in a historic building**. Their markets are held in the Custard Factory which is a historic site and preserved the original structure. They bring together local crafters and **provide local shoppers with a creative alternative to the high street**. They hand pick a **selection of arts & crafts UK makers and designers and run workshops** during the market to encourage people to get creative and learn a new skills which is **what I aim to create with my fab lab** and addresses the local need of the area as they need a creative alternative to the high street and to also **filter into the existing markets**.

GRANBY FOUR STREET



Granby Four Streets is an ongoing **community-led project to rebuild Granby**, a Liverpool neighbourhood that was nearly made derelict by decades of poorly-planned regeneration initiatives. They created a provision of new work and enterprise opportunities supporting public involvement and partnership working, **offering local training and employment opportunities** which is what I want to aim to achieve with the features in my fab lab such as the refreshment bar to **provide jobs for the public and upskill students** looking for job opportunities.

CONCEPT DEVELOPMENT

BRINGING THE MARKET INDOORS/ INDEPENDENT VOLUMES



DOVER STREET MARKET

I researched into Dover Street Market for inspiration as it is an example of how to **divide the space into small, medium, large spaces** and independent volumes. I want to use these volumes to divide the space and the different pop up market stores. This will create a hub for small local businesses to set up in the space helping the community grow and encouraging small businesses to develop.

BIOPHILIC FEATURES



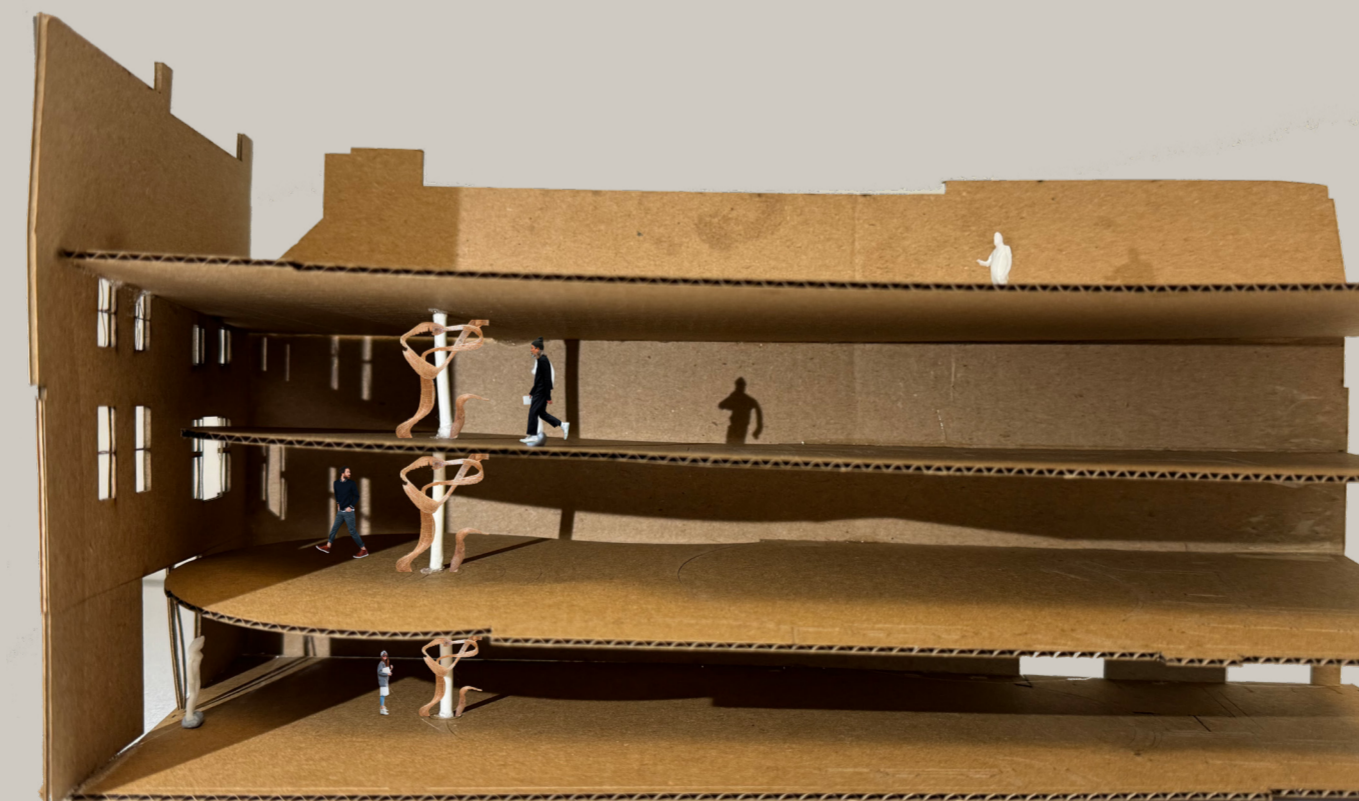
I found the benefit to the users in **boosting happiness and productivity especially in a learning environment** particularly interesting in using biophilic features such as a green wall.

SUSTAINABILITY/WELLNESS



AIM ARCHITECTURE - WOVEN BAMBOO INSTALLATION IN FASHION STORE ATRIUM, CHINA

I took inspiration from this as I want to the use of **natural materials to also visually communicate the process of each floor of my site**. I believe that a structure that flows through each floor will help to **communicate the narrative that one floor leads to the next** and each floor is the next stage in the creative production and learning process.



Concept model.

INDOOR/OUTDOOR



Initial sketch.



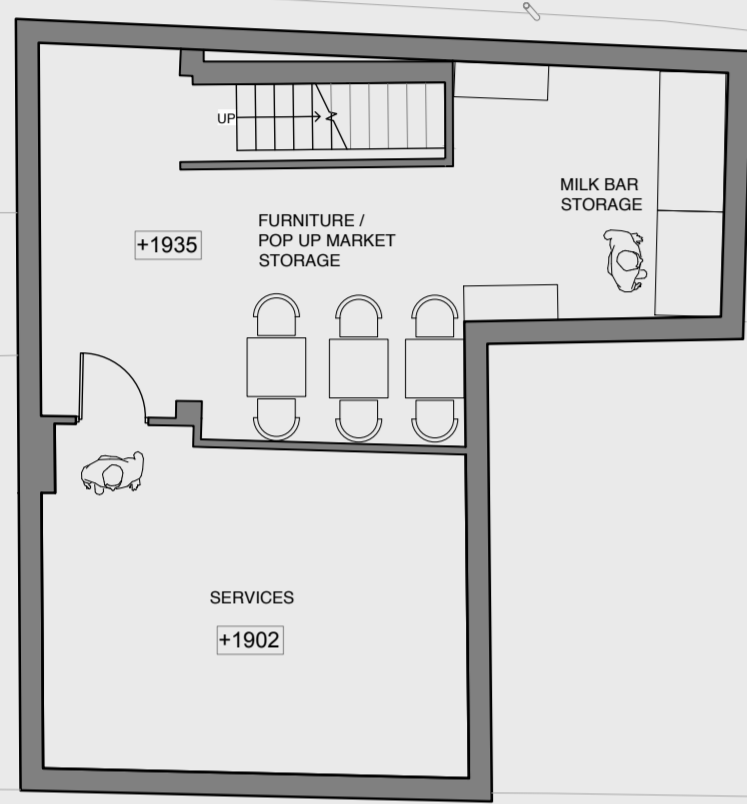
Concept model.



My large scale research informed my facade concept of using **bifold doors which opens up the entrance** to the building merging the outdoors/indoors and allows the **internal pop up markets to spill into existing markets on the high street**, as I wanted to **tackle the issue of markets dying out and regenerate the markets**. I wanted to **preserve the historic identity of the town by preserving the existing contrasting windows** and materiality.

FLOOR PLANS (NOT TO SCALE)

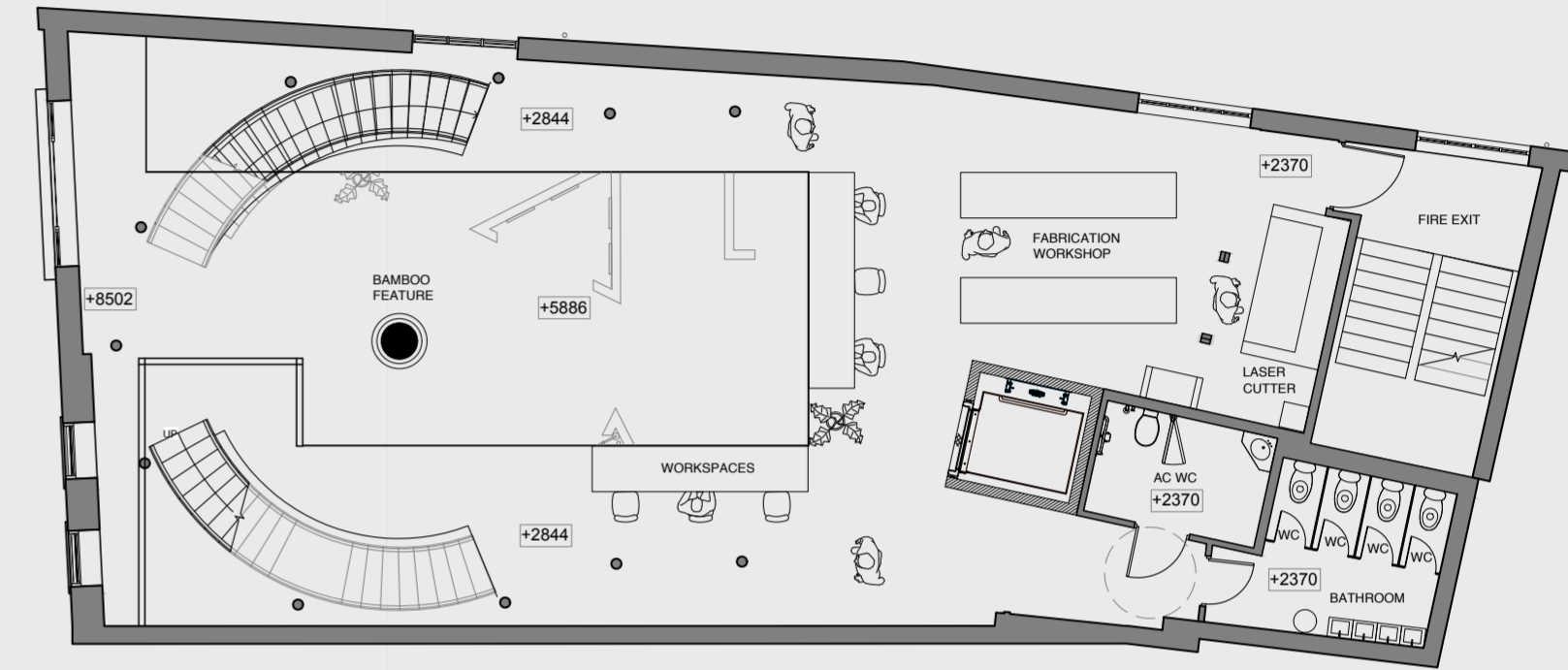
BASEMENT FLOOR PLAN



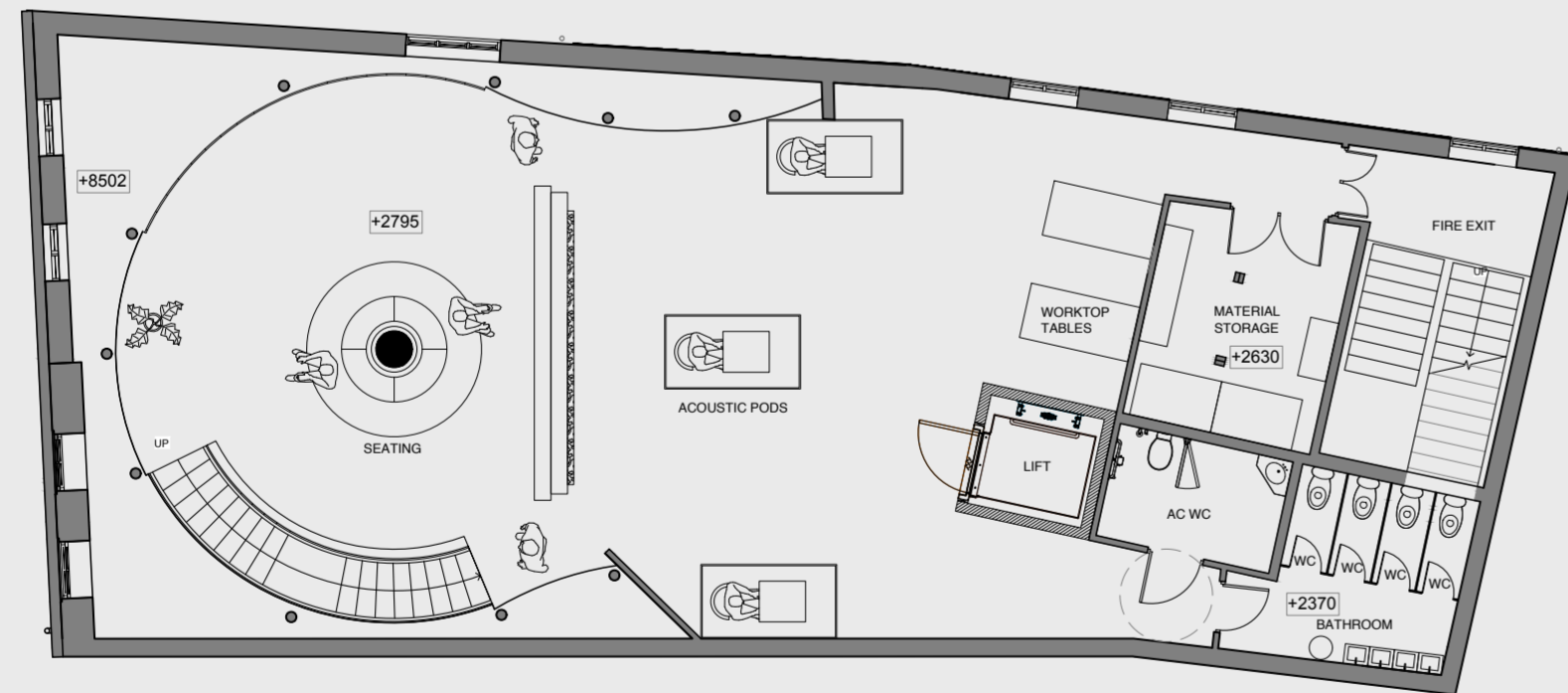
GROUND FLOOR PLAN



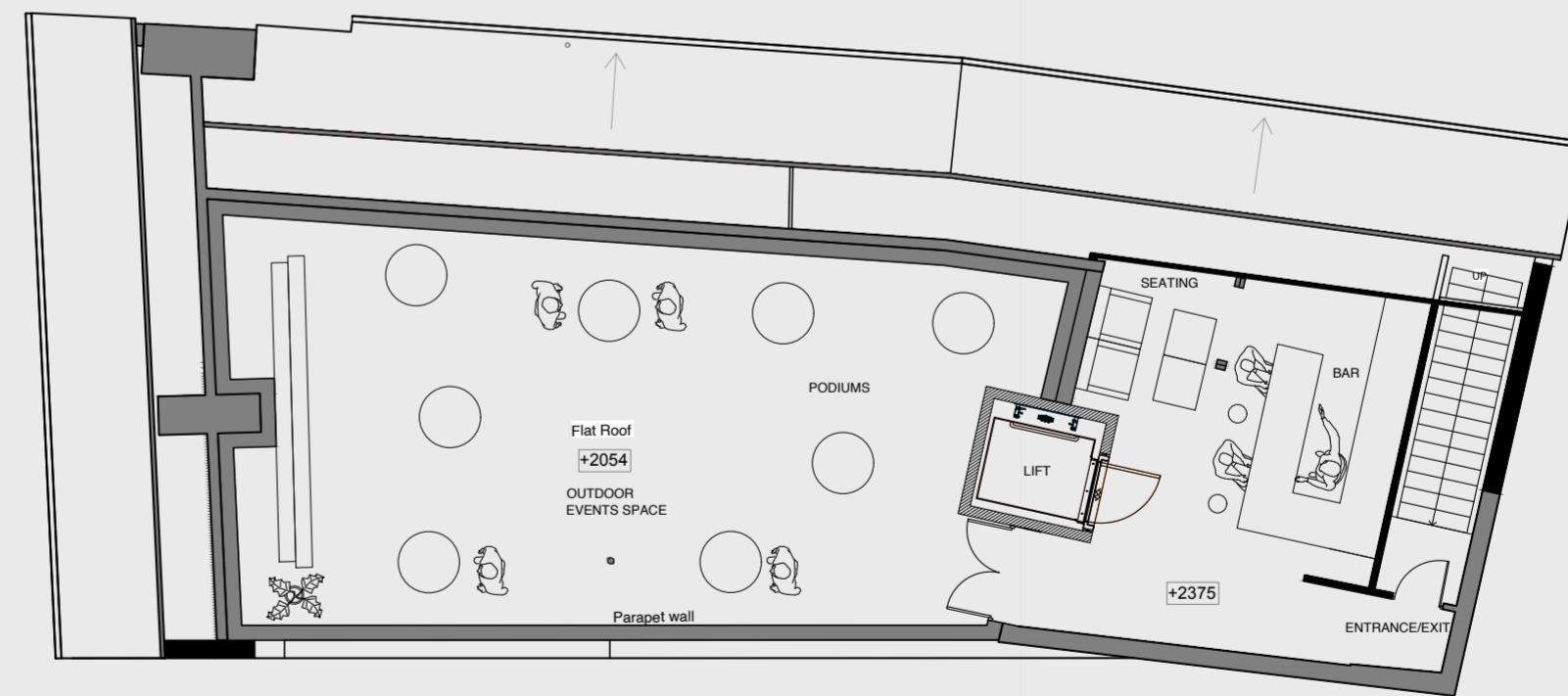
FIRST FLOOR PLAN



SECOND FLOOR PLAN



THIRD FLOOR PLAN



3D VISUAL STORYBOARD THROUGH INNOVATIVE MARKET



WATCH VIDEO FOR THE FULL EXPERIENCE

1.



POP UP MARKETS.

2.



MILK BAR.

3.



FAB LAB.

4.



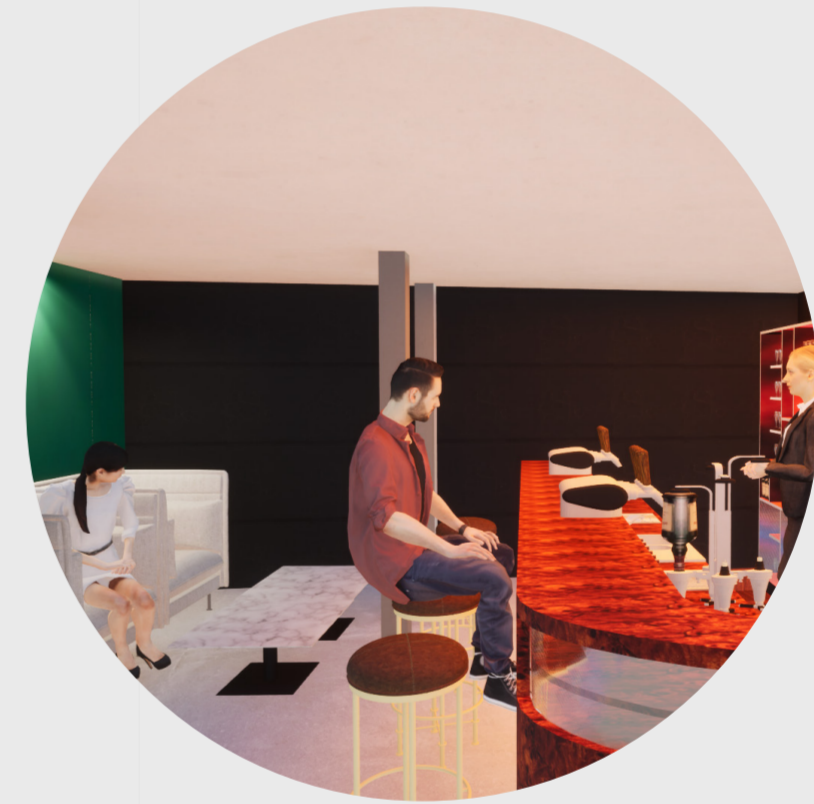
IMMERSIVE SEATING.

5.



ACOUSTIC PODS.

6.



BAR.

7.



NETWORKING SPACE.

AXONOMETRIC
(NOT TO SCALE)

