

# MEET THE TEAM



Sammy Newman



Verity Moulder

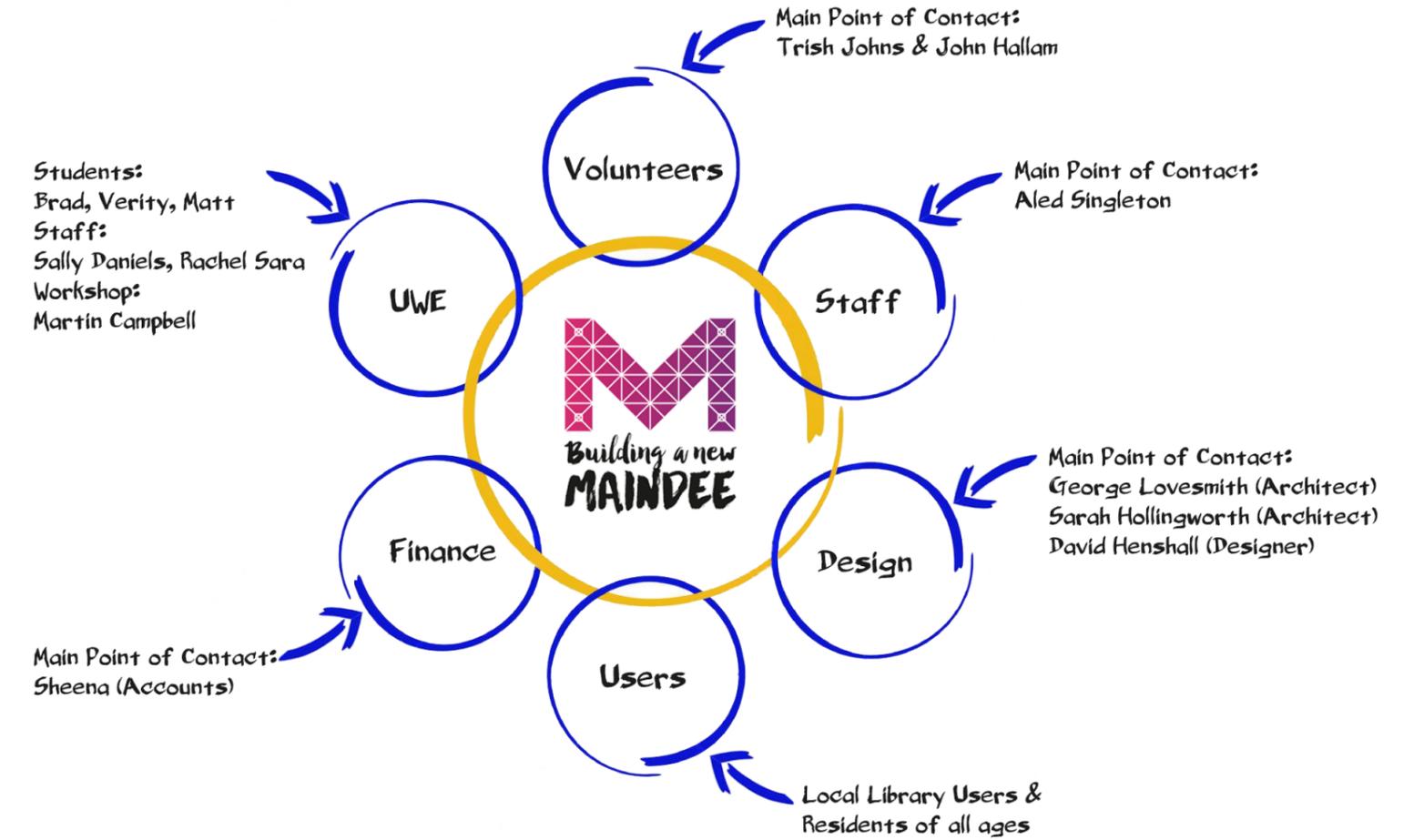


Matt Wong



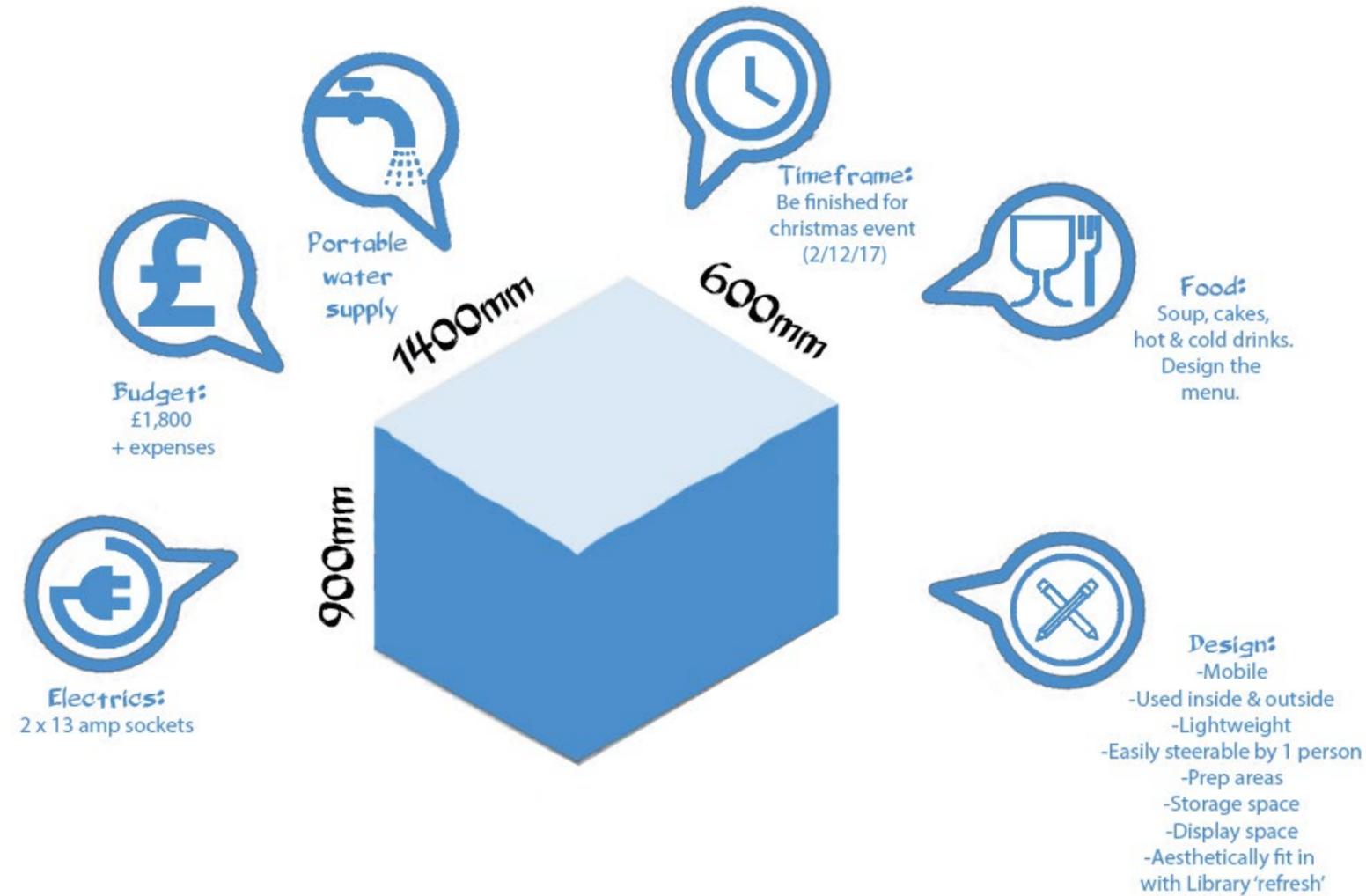
Brad Beament

# BRIEF People



# BRIEF

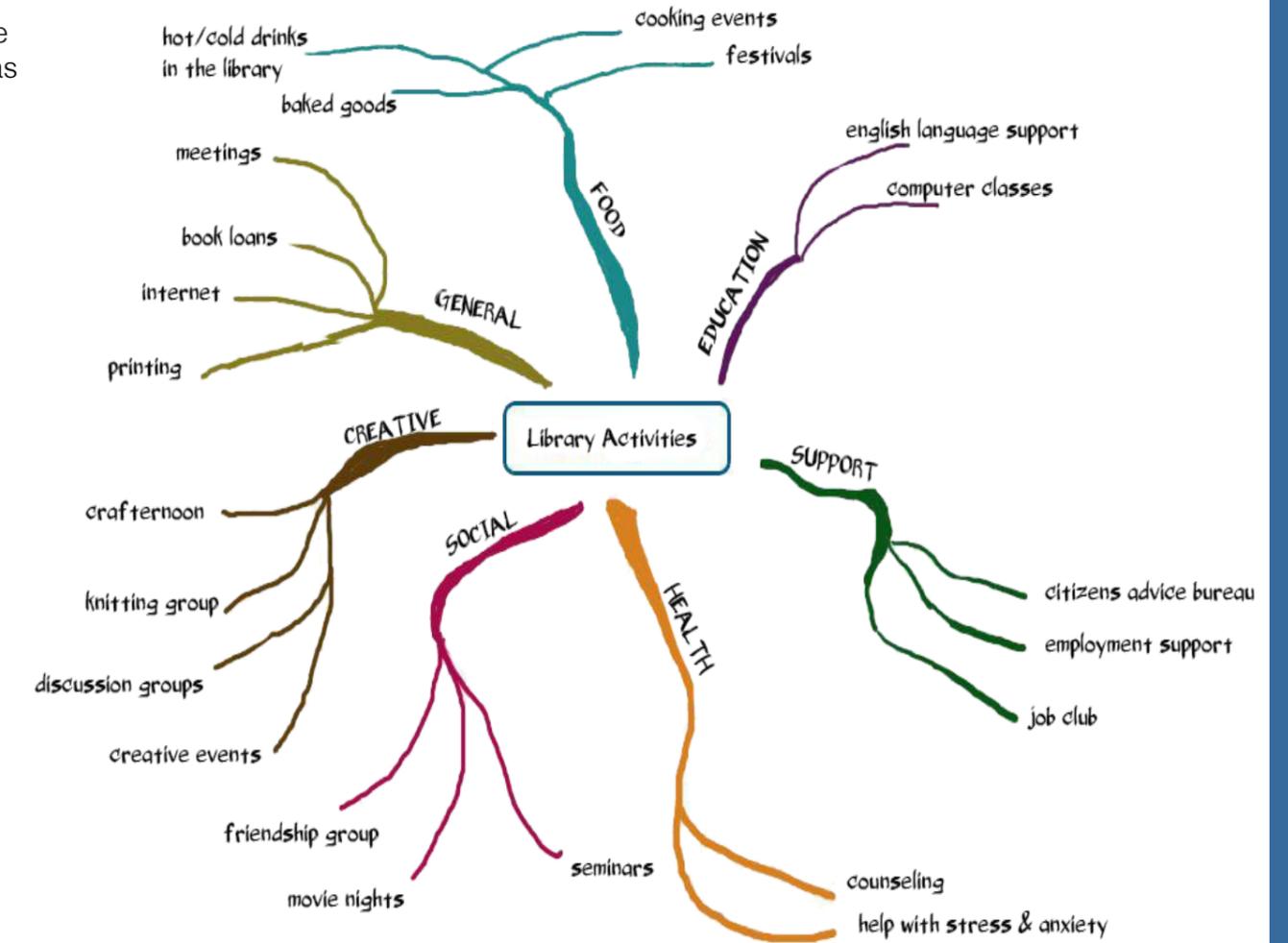
## Client & End User Requirements



# RESEARCH

## Context- Library-Activities

The building is used extensively, and functions beyond a library, the space is typically well populated, guaranteeing a market place for a mobile café. A store currently offers teas and snacks, which Maindee Unlimited are hoping to take further. With the total hours open a week totalling 31 hours, the library could make a good revenue from selling refreshments.



# RESEARCH

## Context - Library Refresh

Existing Library Layout



Red: Walls to be removed as part of the Architect's design for the refresh of the library

Library Refresh - New Layout



Yellow: New partitions proposed



Yellow: Meeting room  
 Blue: Lobby area  
 Green: Disabled toilet  
 Purple: Store/ Potential future toilet  
 Red: Kitchen base area



Orange; Scale of the mobile cafe when stored in kitchen base area

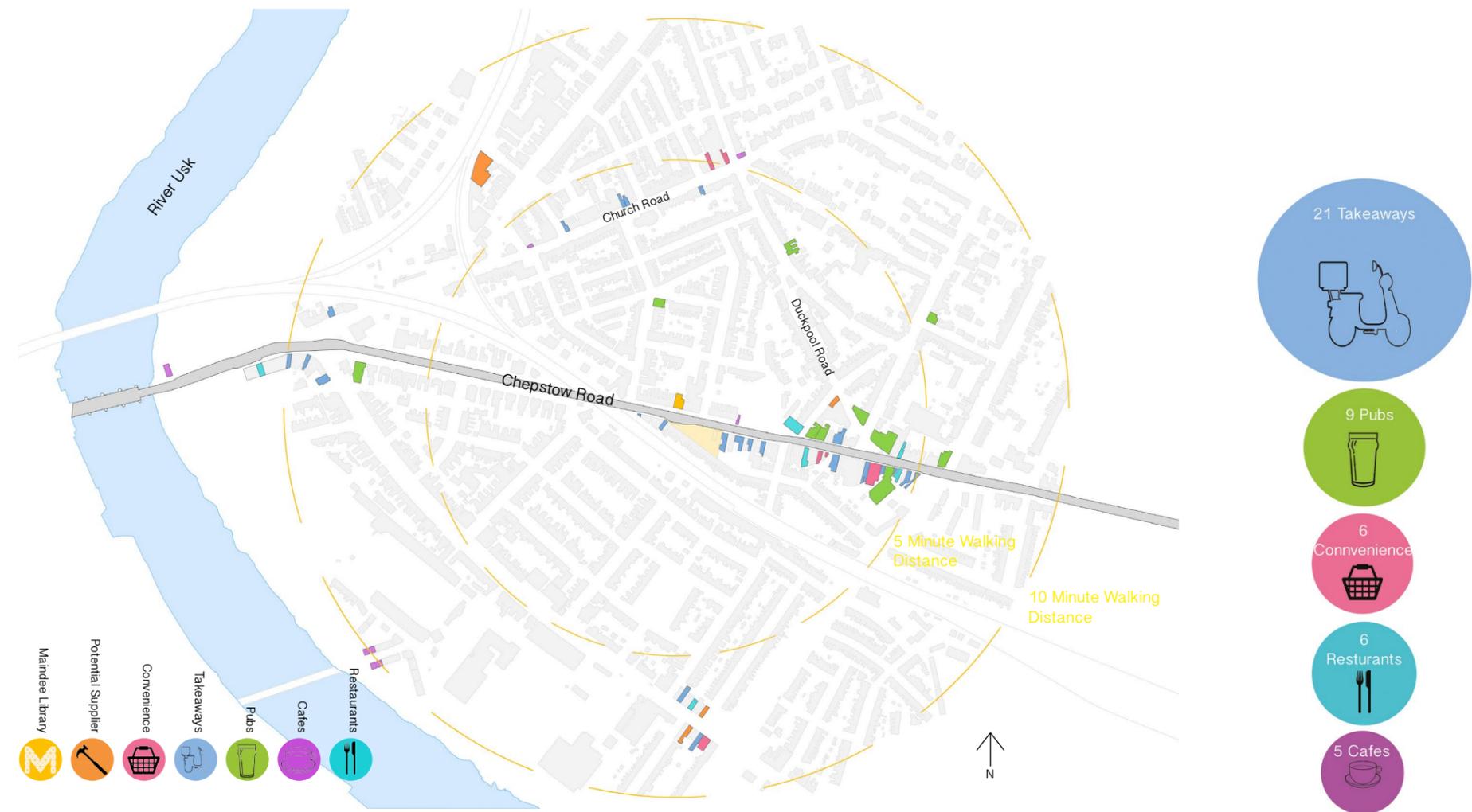
# RESEARCH

## Events in & around Maindee



# RESEARCH

## Existing Food Establishments in Maindee



# RESEARCH

## Existing Food Establishments along Chepstow Road



# RESEARCH

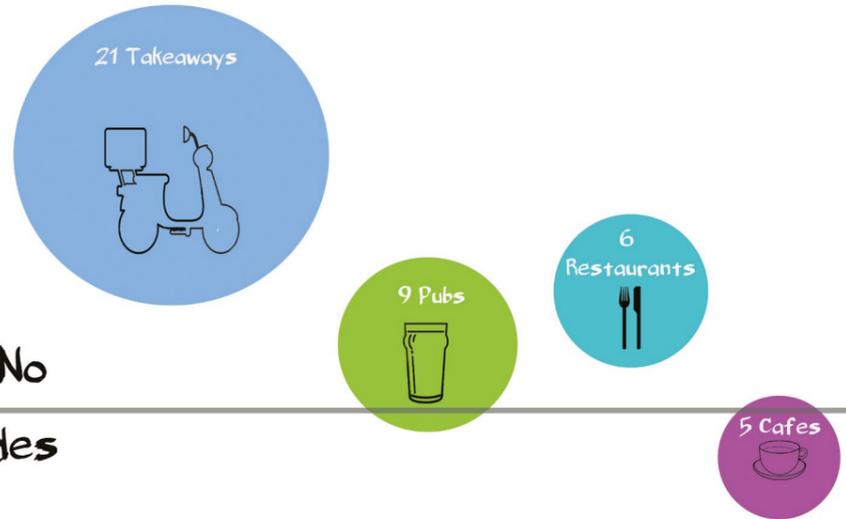
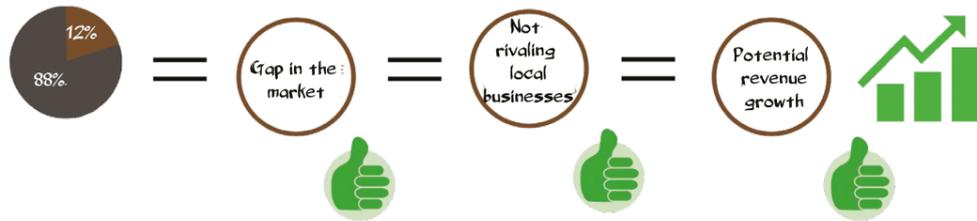
## BREAKDOWN OF SITE ANALYSIS

Place to sit and have a coffee



Place to sit down and have a coffee

● Yes ● No



# RESEARCH

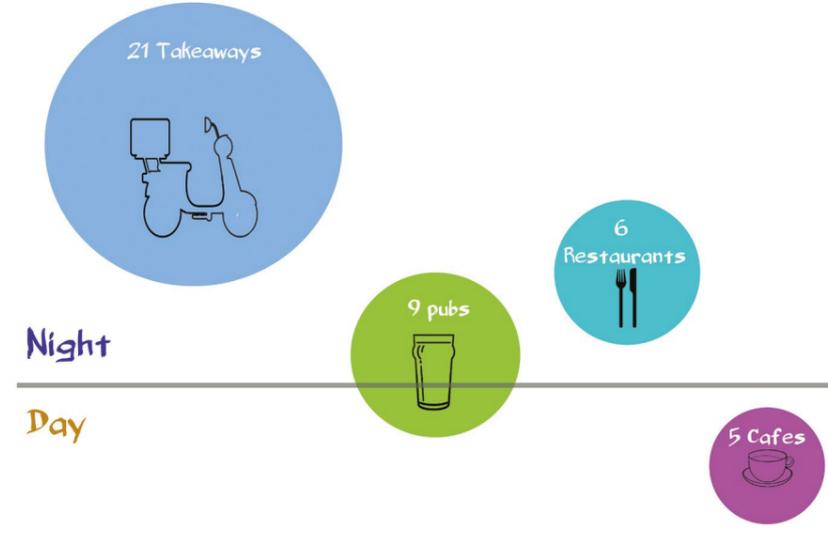
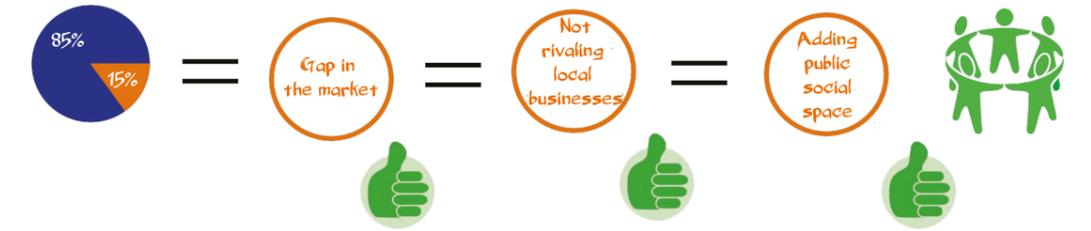
## SUPPORTING THE LOCAL COMMUNITY

Opening times



Places open in the day

● Yes ● No

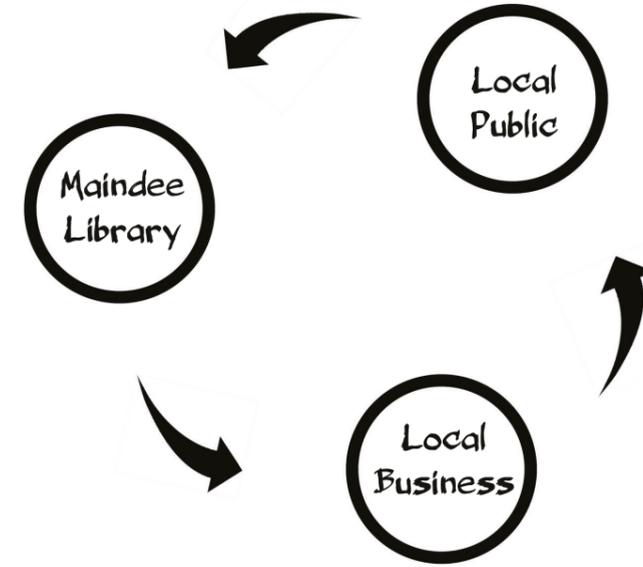
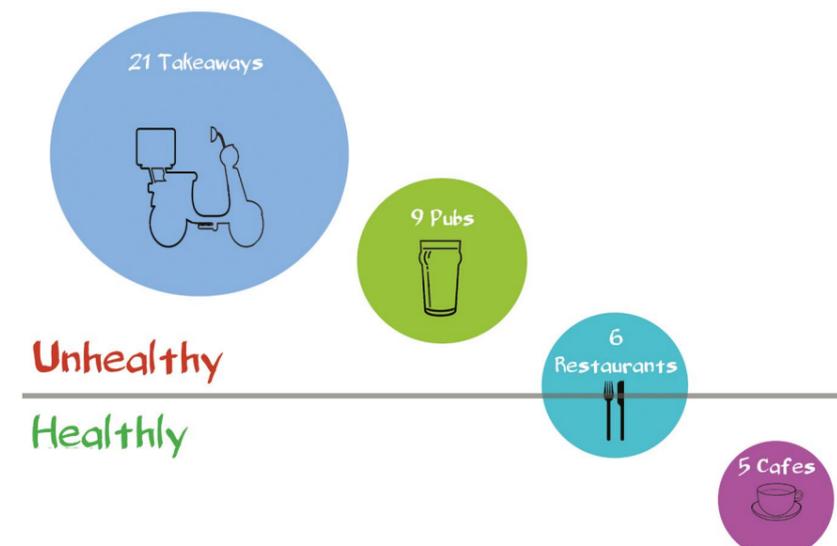


## Healthy Eateries



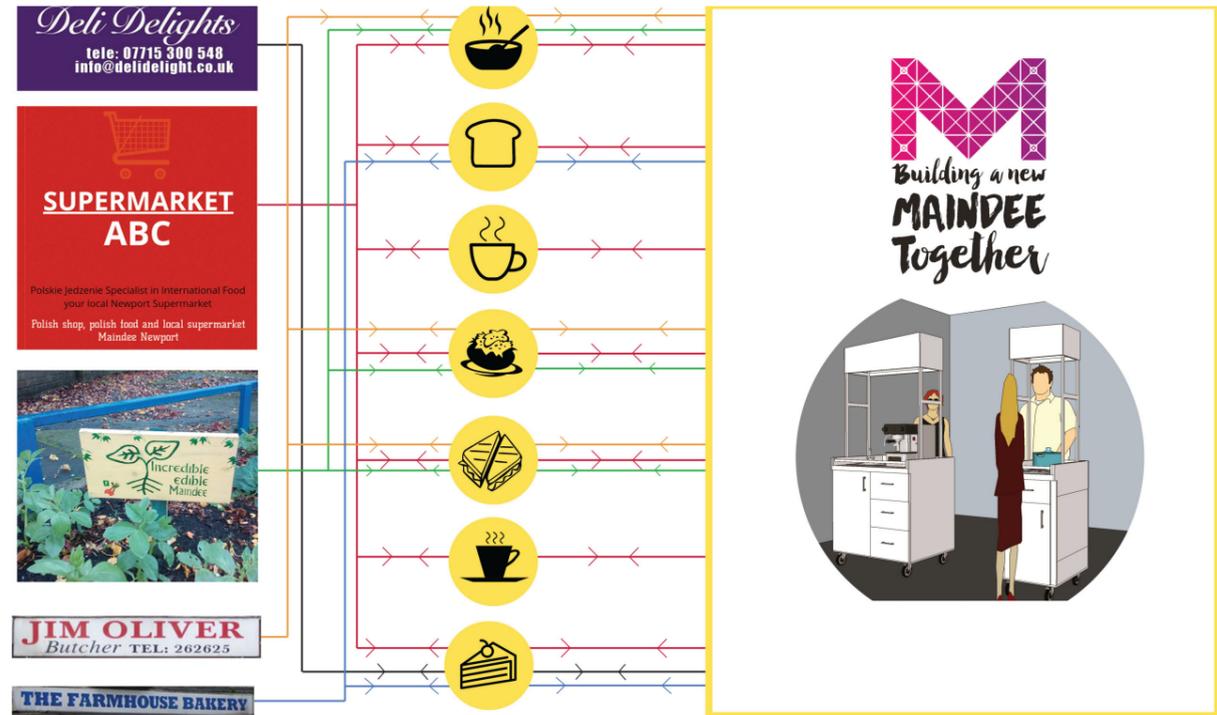
Healthy eating places

● Yes ● No



# RESEARCH

## Menu Suppliers



### Revenue & Advertisement



# RESEARCH

## Menu Design

Based on Research Analysis

-  **Monday**  
Soup day
-  **Tuesday**  
Closed
-  **Wednesday**  
Tea & Toast day
-  **Thursday**  
Jacket Potato day
-  **Friday**  
Toasted sandwich day
-  **Saturday**  
Coffee & cake day
-  **Sunday**  
Closed

# IDEAS

## Design research

### Multiple Units



2 units. 2 wheel systems plywood different height surfaces

### Extendable

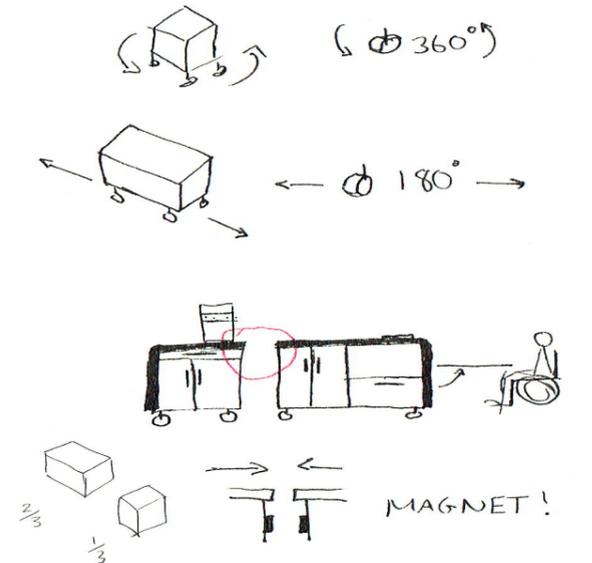
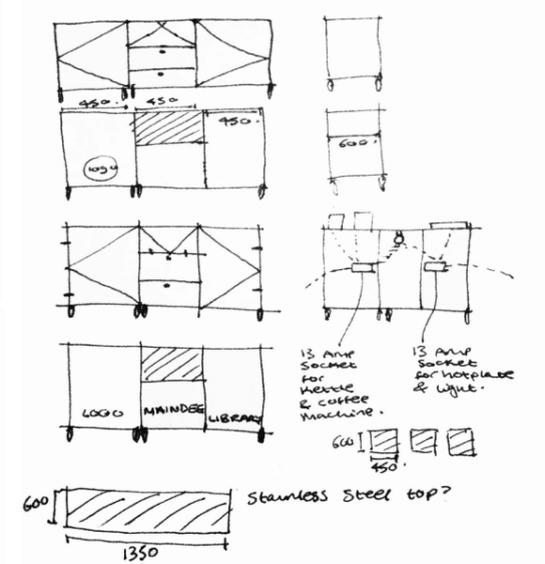
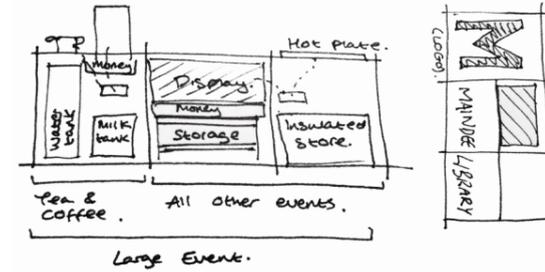
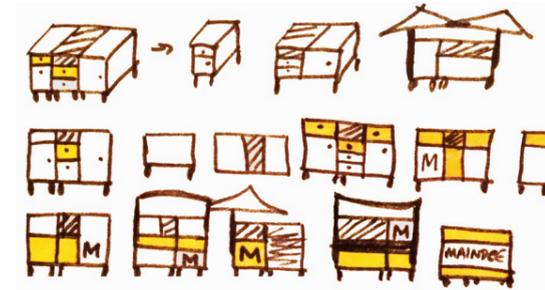


### Wheel Systems



# IDEA DEVELOPMENT

## Sketches



### Designed Frame



Hanging elements on a metal frame trailer system



Blackboard advertising wood frame

### Roof



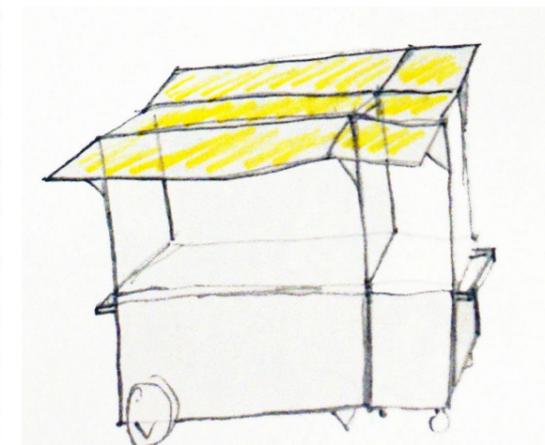
Umbrella roof



Fold out roof system

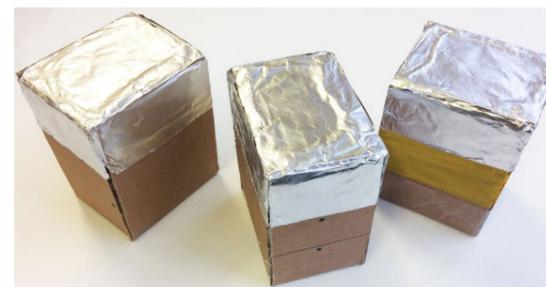
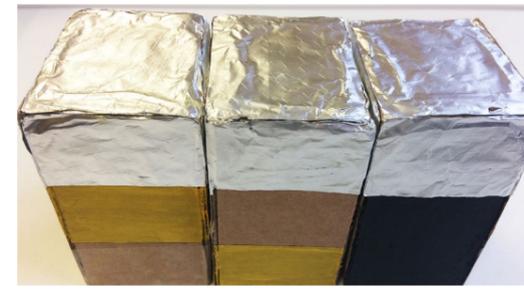
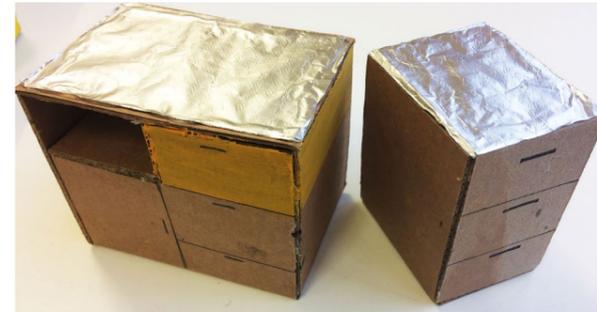


Canvas roof

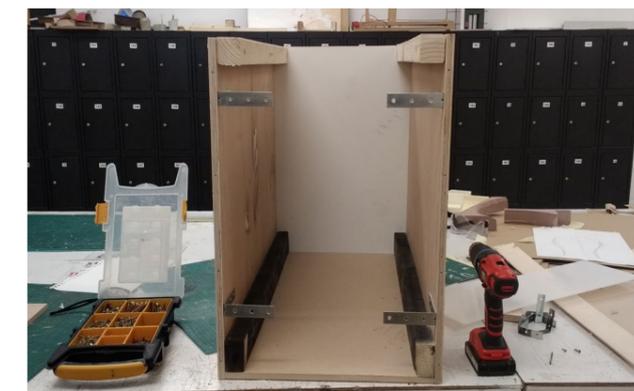
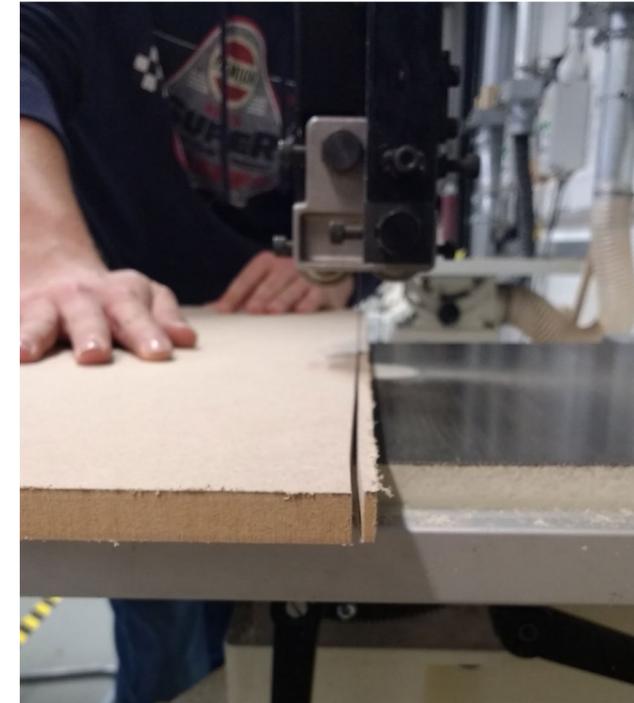


# IDEA DEVELOPMENT

## Development Models



# PROTOTYPE CONSTRUCTION



# PROTOTYPE TESTING

Soup making event



# PROTOTYPE TESTING

Conclusions

## Lessons from Making



- + More robust and beautiful joints!
- + Different types of hinges

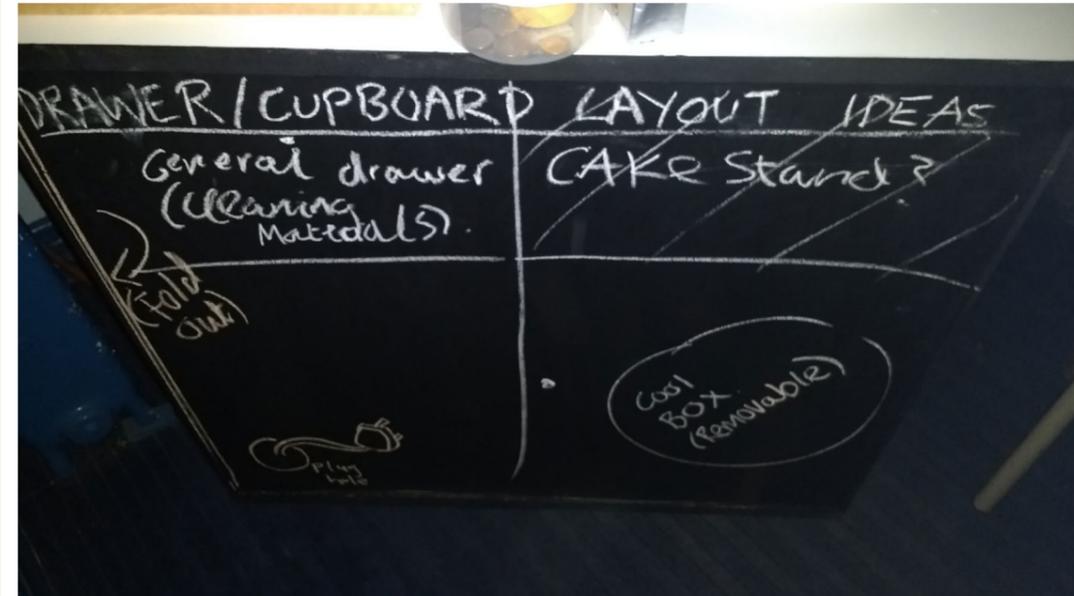
## Lessons from Observing



- + More surface space is needed!
- + Fold out worktops
- + Larger wheels!

# PROTOTYPE TESTING

## Lessons from the public- Conclusions



- + Larger Wheels
- + Money drawer
- + Storage drawers
- + Storage Cupboards
- + Hot/cold box
- + Coffee machine
- + Hot plate
- + Socket Locations
- + Cleaning materials drawer
- + Upstand for safety purposes
- + Split of 1/3, 2/3 units
- + Lower fold out surfaces

# TESTING RESULTS

SUGGESTION 1



SUGGESTION 3

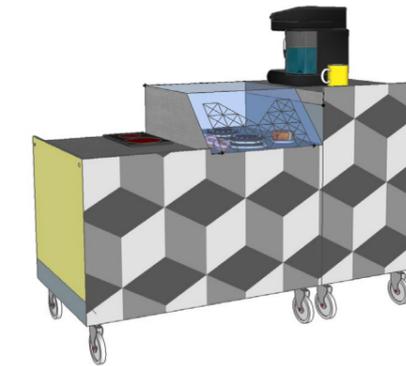


SUGGESTION 2



- 1) Permanent roof- Attract attention inside the library
- 2) Breaks into 1/3 & 2/3- Can be used inside and outside simultaneously
- 3) Large unit: Hot plate, plates & bowl storage, double sockets
- 5) Small unit: Coffee machine, water tanks, money drawer, mug and cutlery storage
- 6) Chalkboard frontage to allow for menu writing
- 7) Varying cabinet heights for disabled access
- 8) Fold out surfaces for greater worktop area
- 9) Larger wheels for easier mobility outside the library

SUGGESTION 4



# SCALE IN THE LIBRARY



## AN ADAPTABLE DESIGN Weekly layouts

**Monday**  
Soup Day

Plan layout

Equipment

- + Hot Plate
- + Soup pan
- + Bread Plate/Display
- + Bowls/cups
- + Napkins
- + Spoons



**Wednesday**  
Tea & Toast day

Plan Layout

Equipment

- + Toaster
- + Bread display
- + Cutlery
- + Napkins
- + Plates
- + Butter



**Thursday**  
Jacket Potato day

Plan Layout

Equipment

- + Microwave oven
- + Plates/bowls
- + Cutlery
- + Napkins
- + Butter
- + Fillings

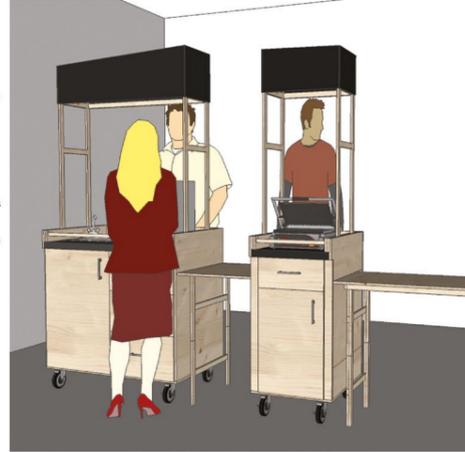


**Friday**  
Toasted sandwich day

Plan Layout

Equipment

- + Sandwich toaster
- + Plates
- + Cutlery
- + Napkins
- + Chopping board

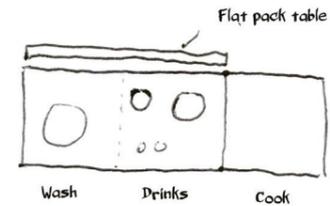


# AN ADAPTABLE DESIGN

## Other Layouts

### Stored in the Kitchen

Plan Layout



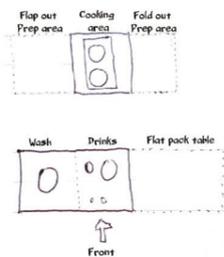
### Movie Night

Plan Layout



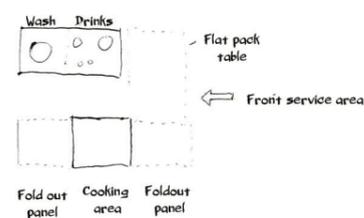
### Festivals

Plan Layout



### Supper Club

Plan Layout



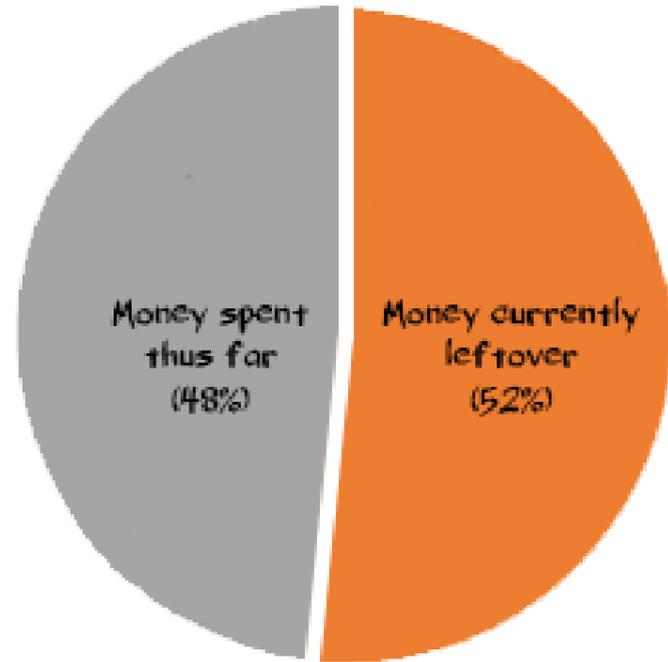
## DESIGN Sourcing Materials



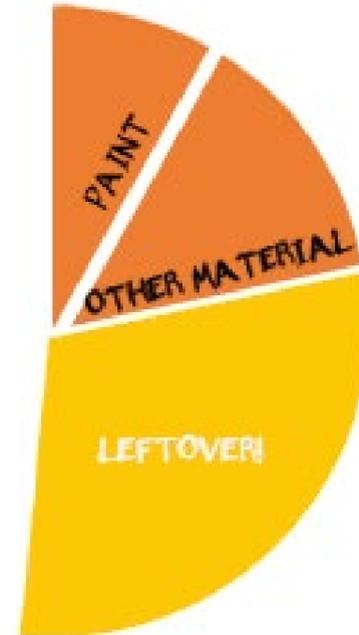
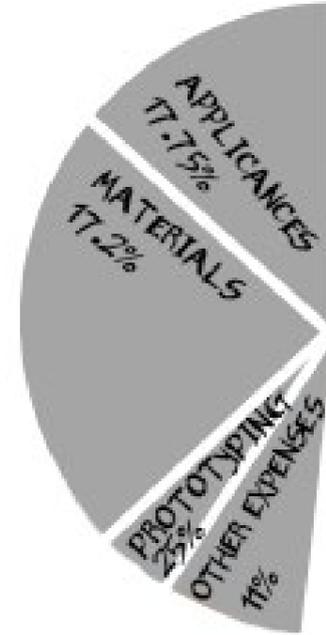
- 1 Maindee Library
- 2 Maindee Handyman: 12mm WBP Plywood Grade B/B Finish & Blackboard paint
- 3 Cymru Kitchens: 40mm Dark stone effect worktop
- 4 Argos: Kitchen perfected 2500W double hot plate
- 5 Wilko: Garden extension leads 2 x sockets 15m
- 6,7 Screwfix: D handles stainless steel, 450mm drawer runners, Hafele easy mount hinges 95mm, Select heavy duty braked castor wheels 125mm
- 8 UWE, Bristol: Suppliers of tools, workshop space and equipment (CNC Machinery)
- 9 EBay: Silvercrest Espresso Machine with milk frother
- 10 Kingswood Camping Centre: Potential supplier of equipment + plumbing
- 11 Pattersons: Potential catering supplier for equipment
- 12 MP Plastic building products: 10mm Twinwall Polycarbonate sheets
- 13 Amazon: Drawer magnet locks, Berg cooler/warmer electric box

## EXPENSES

### Funds



### Expenditure breakdown



## NEXT STEPS...

- CNC Machine is currently cutting the panels of the mobile cafe!
- A painting workshop will let the public paint the panels
- Fabrication of the cafe
- Cafe ready to be used for Maindee Christmas Fete on 2nd December...

# MAINDEE LIBRARY

## NEEDS YOU!

WE NEED YOUR HELP TO PAINT THE NEW MOBILE CAFE!



DATE: MONDAY AFTERNOON CONFIRMED

@ MAINDEE LIBRARY, CHEPSTOW ROAD



Building a new  
**MAINDEE**