ECOMON

**Team Beep**

Boris Cheung, Finlay Fordham, Jacob Mcallister,
Lorenzo Meixieira, Adam O'Neill, Angelo Thind, Callum Ward

What is Ecomon?

- Collect Playing Cards
  - Types: Plastic, Recycling, Plant
  - Recycle their wrappers
- Card battles occur at "recycling gyms"
  - Bins are pinpointed on the map
  - Scan QR to access bin battles
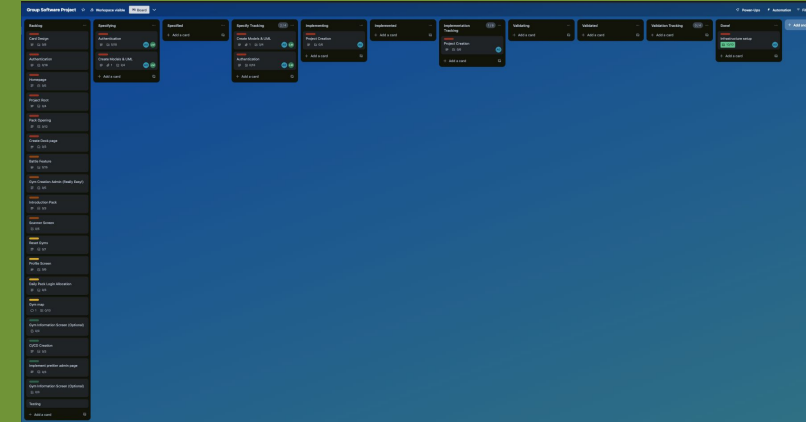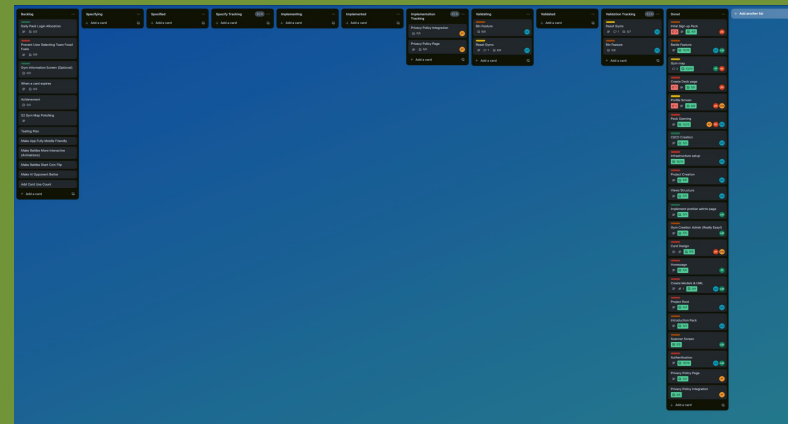- Battle for team: Reduce, Reuse, Recycle against Team Fossil Fuels
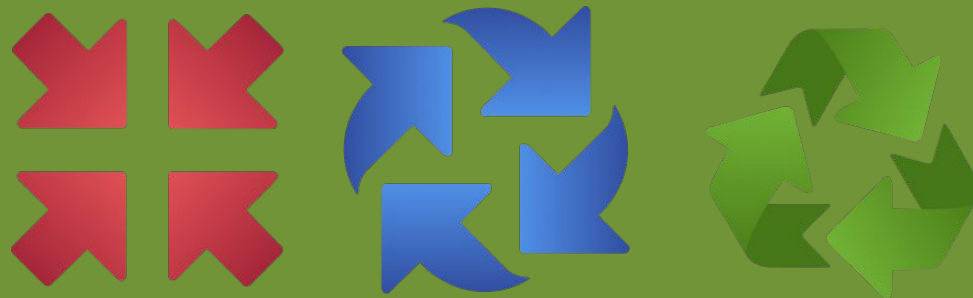
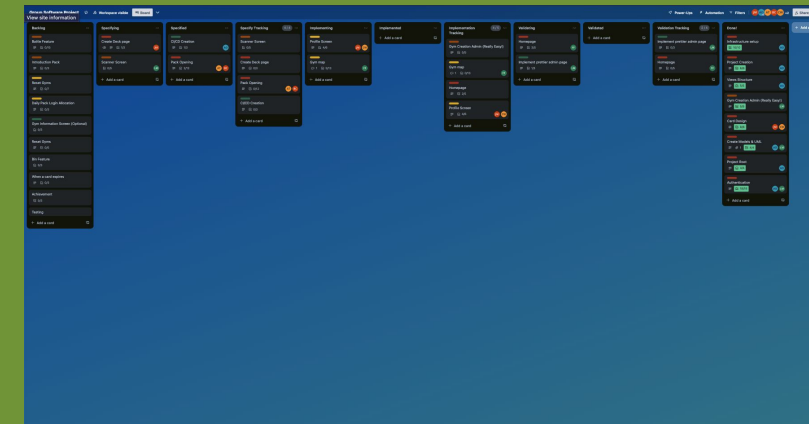HOW WE COLLABORATED

Kanban Methodology

- Kanban methodology utilising a Trello board

- Card limiter through tracking columns

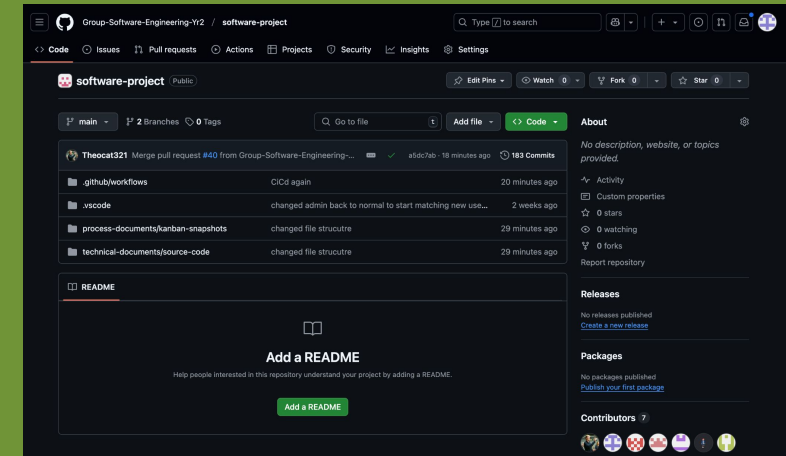- Card tiered from 1-4 with colour segregation
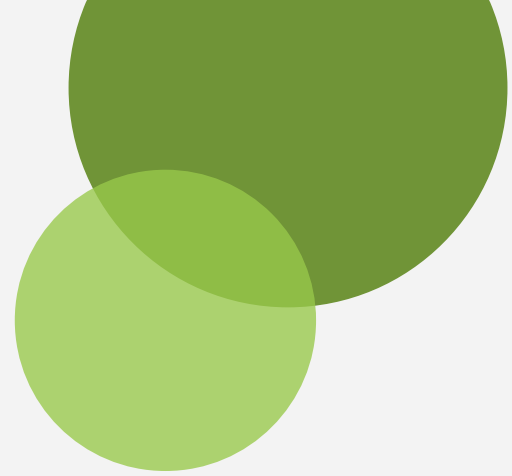
Start

End

Middle

GITHUB + GROUP MEETINGS

- Pull requests required at least 3 approvals

- CI/CD testing implemented

- Group meetings as a full 7 at least every 2 days
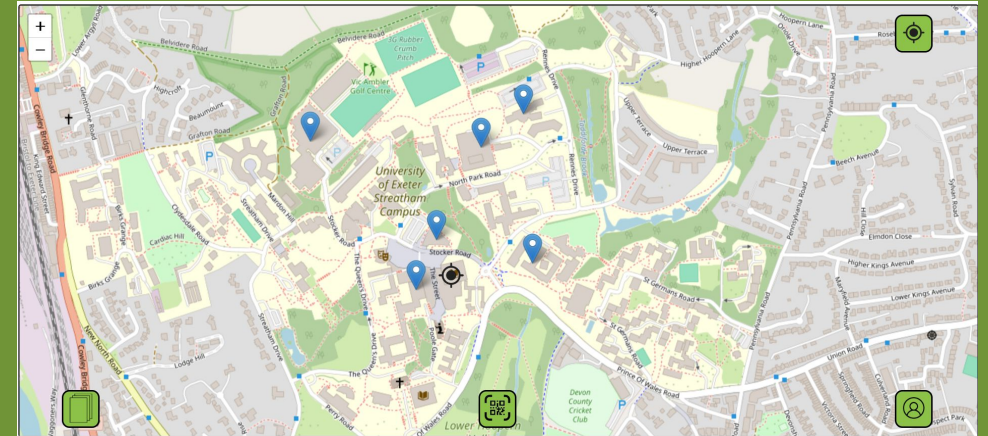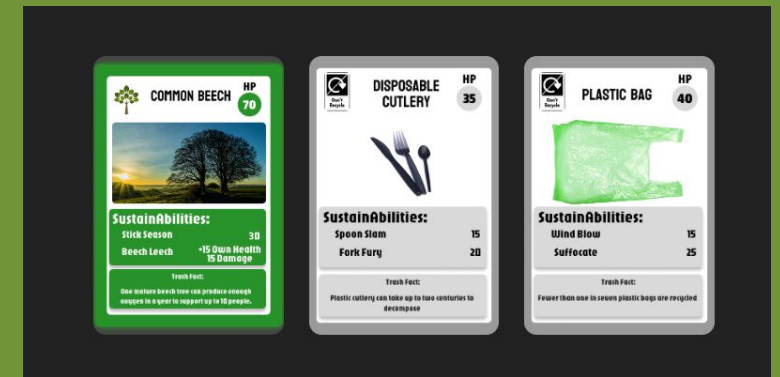
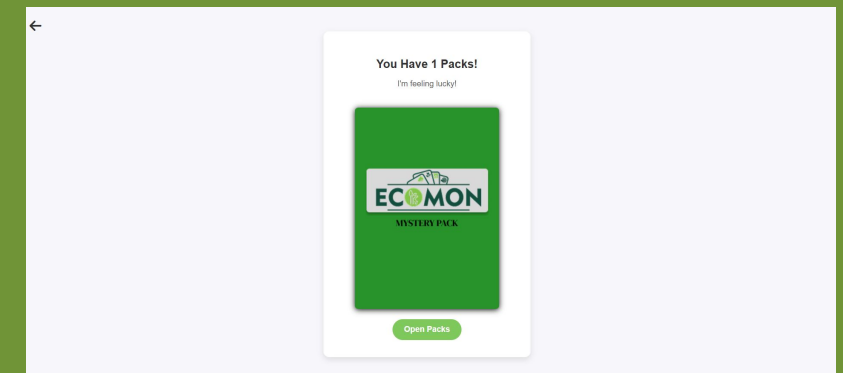- Constant communication on whatsapp

Process
+
Features

- Home Page

  - Interactive map

  - Button links to corresponding pages

- Unique Ecomon Cards

  - Designed in figma

  - Contains a fun sustainability fact

- Pack page

  - Gives the user 3 random Ecomon Cards

- Profile Page
  - Shows team
  - Shows their cards
  - Shows their wrappers

- Sign Up Page
  - Sign up with email and pick a team and create a username and password

- Login Page
  - Allows users to login with their username and passwords

- Scanner + Battle page

  - Upload or scan a QR code

  - Takes user to view of the gym

    - This contains stats about the gym

    - The user can then choose their cards to battle with the gym

  - Taken to view of battle
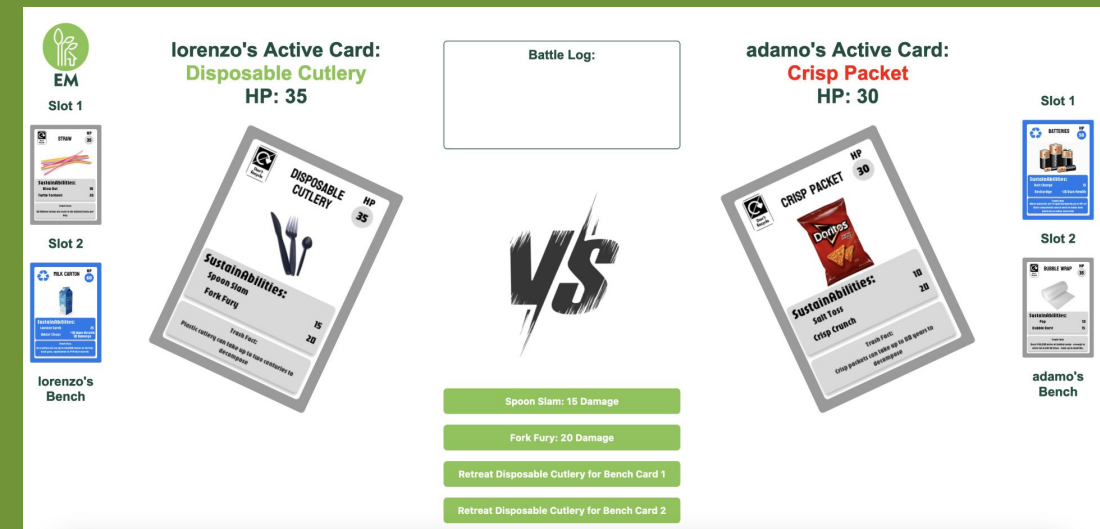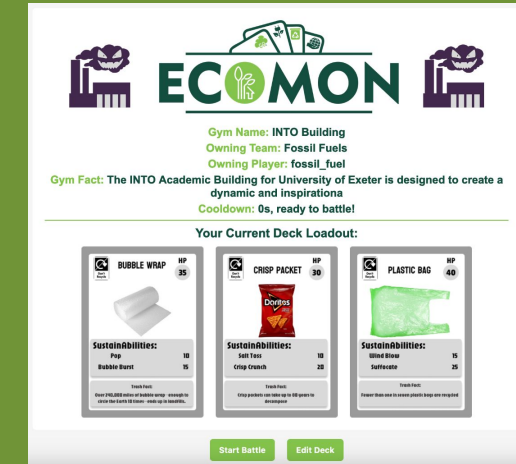
GENERAL CHALLENGES

Constant merging conflicts

- Using branches properly

- Finishing features quickly so branch doesn't lag behind

Finding Available Group Times

- Planned meetings far in advance

- Kept group updated with calendar changes

Familiarity with Django Framework

- Used Django Documentation

- Confident members helped others learn

RESULTS
+
IMPACT

Waste & Recycling

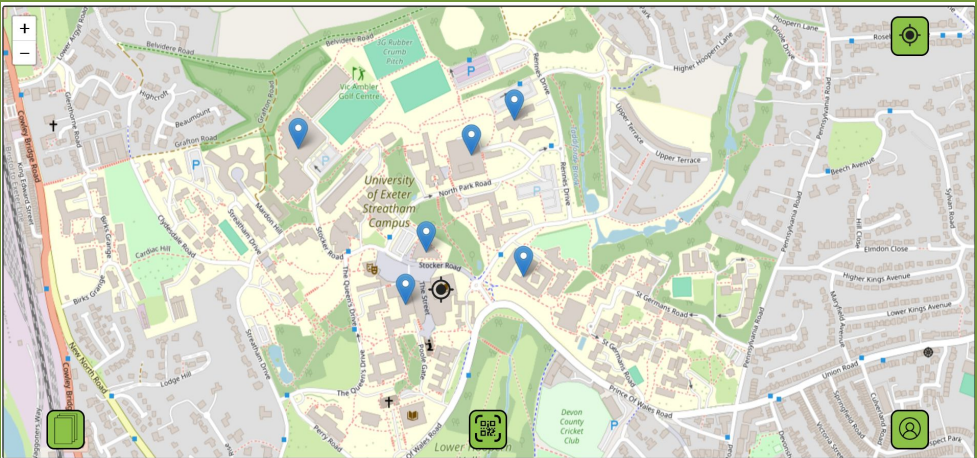| 31	95% reduction in single use plastic packaging
32	85% recycling or all waste
33	Campus wide waste recuse / recycling programme

Biodiversity

41	Establish net positive plan for Woodland, Wetland and Campus wide biodiversity

Trash Fact:

Fewer than one in seven plastic bags are recycled

Trash Fact:
Recycling one tonne of cardboard saves 7,000 tonnes of water and around 210 litres of oil.

COMMON BEECH HP 70

SustainAbilities:

| Stick Season | 30 |
| Beech Leech | +15 Own Health 15 Damage |

Trash Fact:
One mature beech tree can produce enough oxygen in a year to support up to 10 people.

SLIDESMANIA.COM

Future Sprints

- Mobile Development

- Achievements and Leaderboard

- Degrading Cards

- Other Enhancements

Achievements

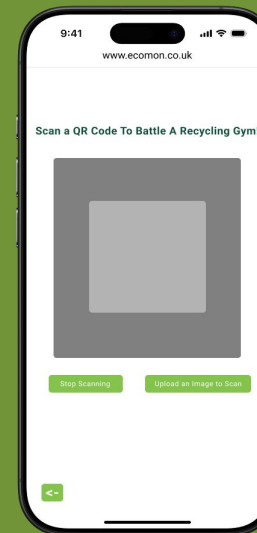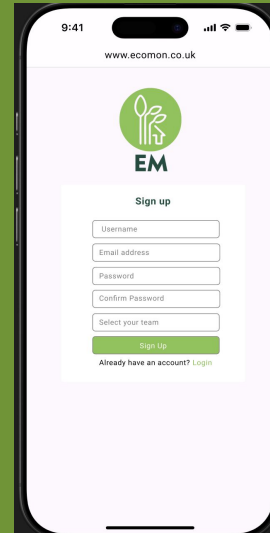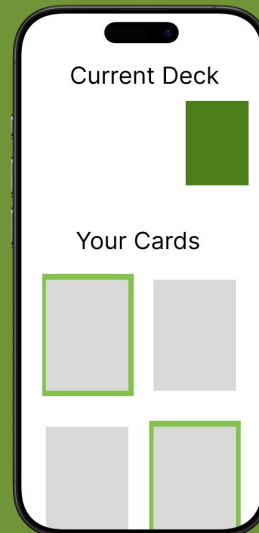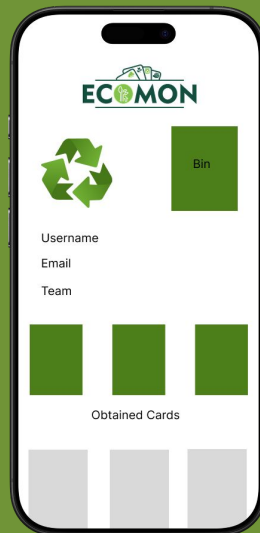Silver Medal Example | Gold Medal Example | Bronze Medal Example
Silver Medal Example | Gold Medal Example | Bronze Medal Example

Demonstration

THANK YOU!