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# Picking up the trash

**AR Serious Game Application**

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# What is this Game?

AR app that helps children pick up trash



Collect various garbage



Throw the collected garbage

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# Idea shortly

- 01 Educate children to separate them according to the type of garbage
  - 02 The AR blending function allows you to pick up trash on the floor realistically
  - 03 Points are paid per recycling.  
The collected garbage is recorded in a collection book
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# Background for our AR app

Provide fun education to children who have less physical activity due to the COVID-19 situation

Educational games that help children live by playing games

Not only for fun, but also for serious games

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# Idea Sketch

## Map

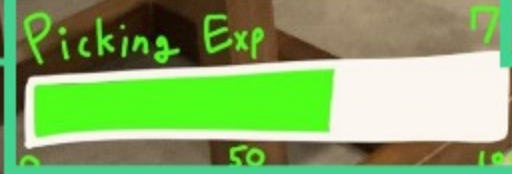
It shows the trash around me.  
It will be easy to find trash!



## Collection book

You can see that you have recycled it.

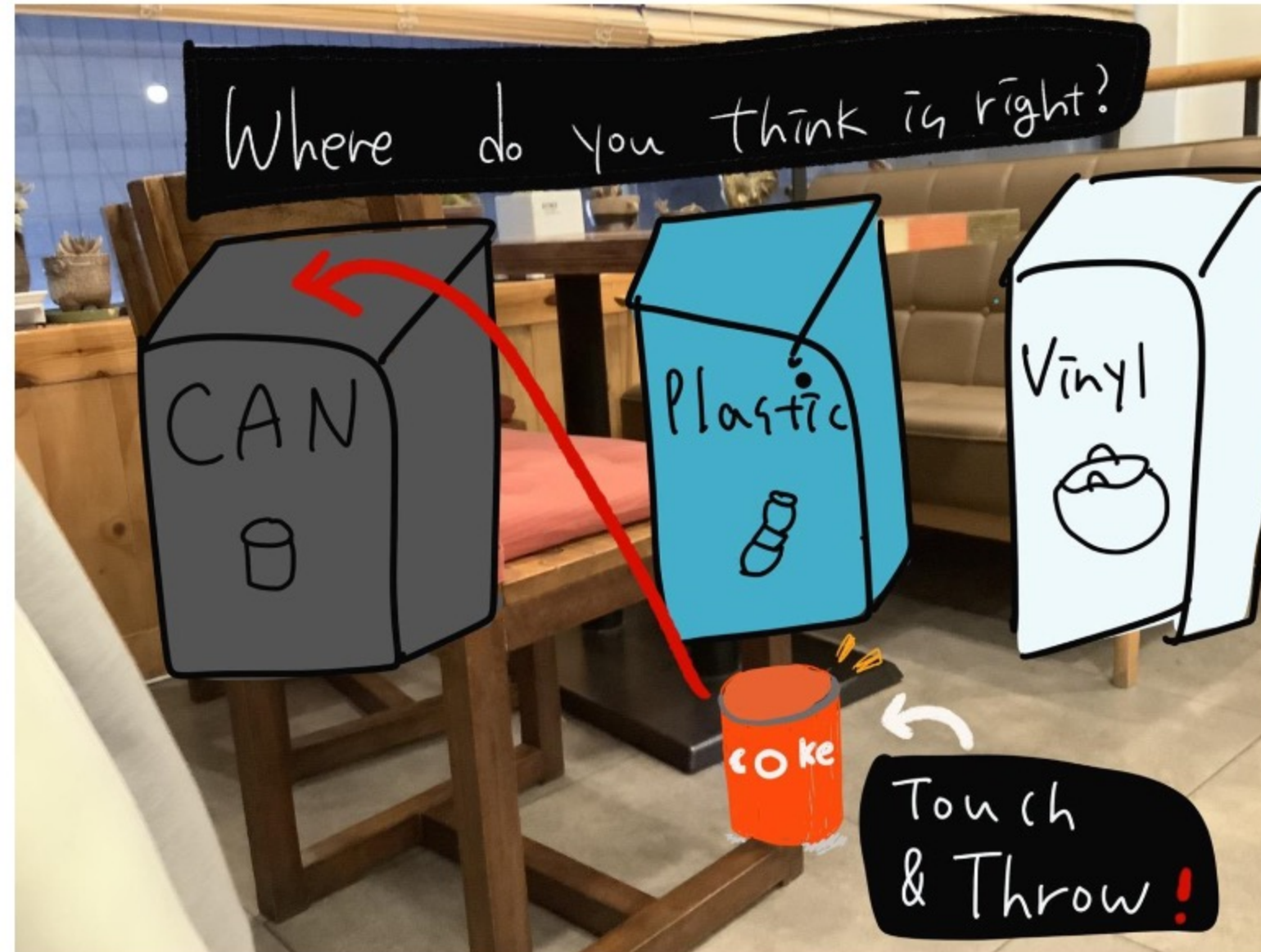
Collecting garbage will get points.  
Raise your level!



Virtual waste is shown to be  
blended with real objects.  
You can touch this garbage!



# Idea Sketch

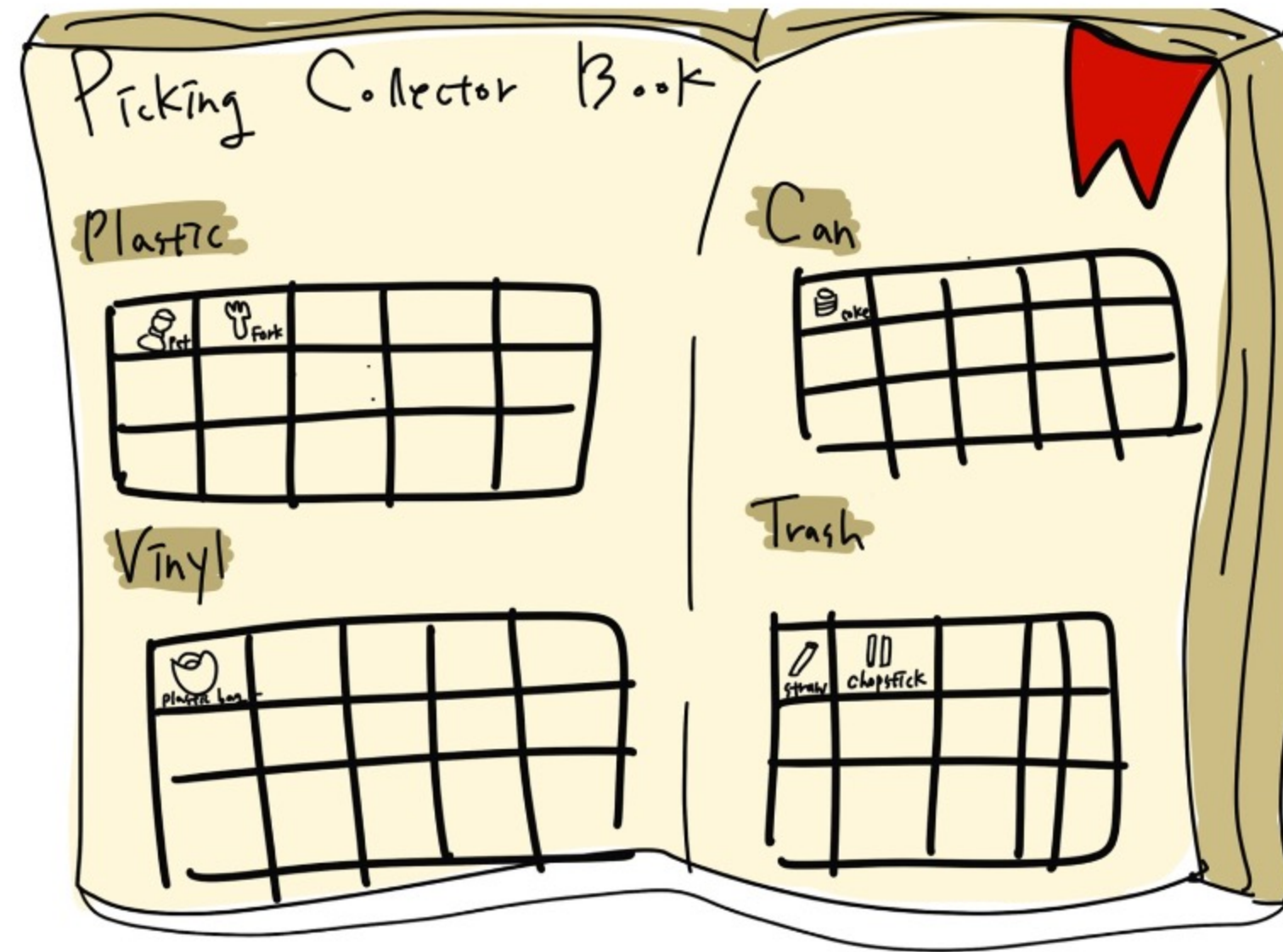


**You can separate garbage by touching it.**

You have to separate garbage according to the type of garbage!

If you succeed, you will earn points.

# Idea Sketch



**A collection book where you can see the garbage collected.**

It is classified according to the type of recycling.

(Example: Plastics, vinyl, cans, etc.)

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# Background for our AR app

## Educational effectiveness

The act of picking up virtual waste in reality is repeated through AR.

Repeated actions through games can give children the perception that they should pick up trash in reality.

## It can arouse interest

AR games blended with the real world can raise children's interest.



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# Work division

## Seoyoung Lee

Project proposal, Idea Materialization,  
Implementation of recycling function

## Hyoju Park

Project proposal, Idea Materialization,  
Implementation of recycling function

## Sieun Song

Project proposal, Idea Materialization,  
implementation of location-based garbage pick up function

## Gaeun Yoo

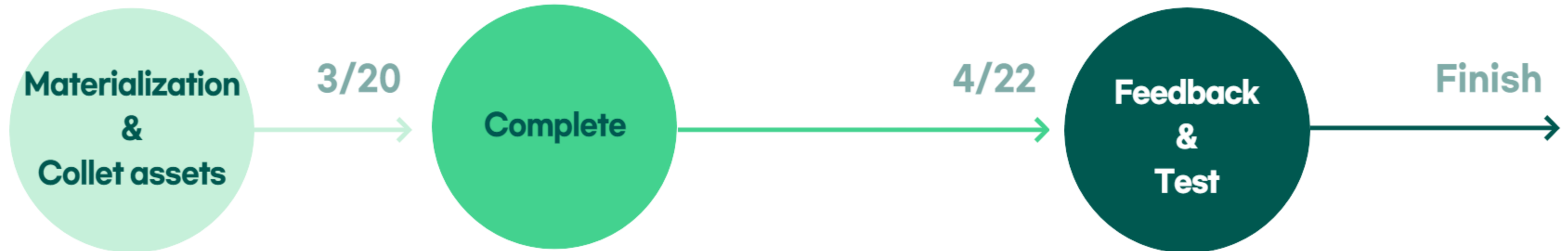
Project proposal, Idea Materialization,  
implementation of location-based garbage pick up function

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# Schedule

We have regular meetings every Sunday



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# Thank you

Seoyoung Lee | Gaeun Yoo | Hyojoo Park | Sieun Song

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