



# e-create

reuse old items.  
reduce the waste.  
recycle the rest.

proposal for ensuring  
environmental sustainability



# project goals

Our main goal is to create a website that will help educate our users on recycling, while at the same time open their minds to a different way of environmental sustainability.

We want to allow users to transform something old, that might not work, into something new, different, fun, and possibly functional.

In doing this, they are going to be recycling their item, which can be considered as doing their part for the environment. Users can use this revelation as their motivation to continue to use our website and recycle through it.

*“Diverting waste is the ultimate act of **sustainability**. ”*

# target audience?

who are we designing for ?

Our target audience will be focused on adults, parents and mainly students because we found that these are the people that have their own places with their own belongings, many of which are second hand and in need of a restoration.



## demographics

- users ages 15 to 35
- students entering university or college
- adults starting their new family life
- north american population with high rate of internet users

## psychographics

- people who recycle in their daily life, but want to contribute more
- people who spend lots of time at home and on the internet
- people who want to be environmentally friendly, but don't know where to start





# task analysis One

## goal

Use our website and find a recipe to turn an old, non-functioning computer tower into a crazy plant-holder.

## input

- A computer with internet access
- Basic computer and internet skills
- Research skills

## steps

- 1.0 Go to our website
  - 1.1 Open the browser
  - 1.2 Type in the URL
  - 1.3 Press enter and wait for page to load
- 2.0 Search for recipe
  - 2.1 Type in "computer" or "computer tower" keyword in search bar
  - 2.2 Hits enter and wait for the page to load
  - 2.3 Look through the list of search result and brief description
  - 2.4 Click on the title of the one that is appealing, "Crazy plant pot from a computer tower"

# goal

The goal is to create a recipe to reuse an item and post it on the website. Once they see their recipe available for others to see on the website, they will know their task is completed.

# input

- A computer with internet access
- A recipe (text, images, and/or video files) ready to upload
- Basic computer and internet skills

# steps

- 1.0 Go to our website
  - 1.1 Open the browser
  - 1.2 Type in the URL
  - 1.3 Press enter and wait for page to load
- 2.0 Post a Recipe
  - 2.1 Click on the navigation bar
  - 2.2 Fill out the recipe title box
  - 2.3 Fill out the materials list box
  - 2.4 Fill out the description box
- 3.0 Upload Pictures and Videos
  - 3.1 Click on the browse button
  - 3.2 Search for files on computer to upload
  - 3.3 Click on the files
- 4.0 Submit the Recipe

task analysis  
two

# task analysis *three*

## *goal*

Find the nearest recycling depot through our website links.

They will know when the task is complete because the closest recycling depot will be displayed on their screen.

## *input*

- A computer with internet access
- Knowledge of your surrounding area
- Basic computer and internet skills

## *steps*

- 1.0 Go to our website
  - 1.1 Open the browser
  - 1.2 Type in the URL
  - 1.3 Press enter and wait for page to load
- 2.0 Find recycling depot
  - 2.1 Click on the “find a recycling depot” link
  - 2.2 Enter country
  - 2.3 Enter city
  - 2.4 Check box of material being recycled
  - 2.5 Click on “submit” button



## *our subjects*

For our research, we interviewed three students that live on their own, between the ages of 20 and 23, and have a low financial income. We thought that these subjects would be perfect because they are all open minded to the idea of recycling, and are always looking for inexpensive, stylish furniture.

## *what we learned*

The five main issues regarding our system that we discovered from these interviews were:

1. convenience
2. reward
3. time consumption
4. information distribution
5. resuability

## *interviews*

# scenario one

*searching for recycling ideas*



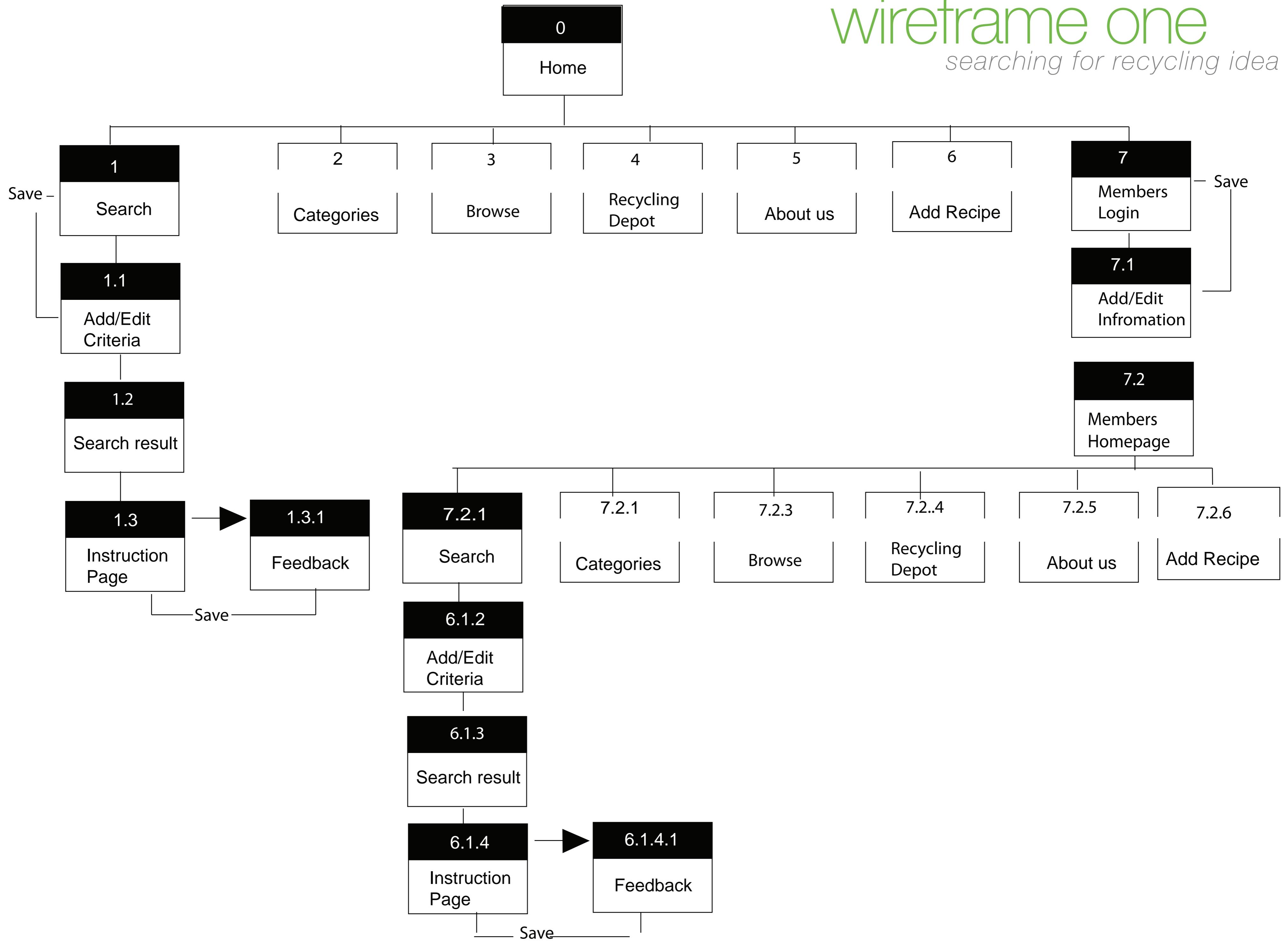
One day Stephanie is cleaning out her room and finds a clock that she no longer wants. Instead of throwing it away, Stephanie goes online and finds our website, dedicated to recycling, refurbishing, and reusing items.

She looks up what she can do with her clock and finds a great recipe to turn it into a picture frame posted by another user, Jessie. She follows the steps posted by Jessie and turns her clock into a picture frame.

She posts her feedback and even uploads a picture of her new picture frame to show everybody else. She logs off and enjoys her picture frame.

# wireframe one

searching for recycling idea



# scenario two

*posting a recycling recipe*

One day Stephanie had an idea for turning an old baggy t-shirt into a nice dress. She created this nice dress and wanted to share it with others.

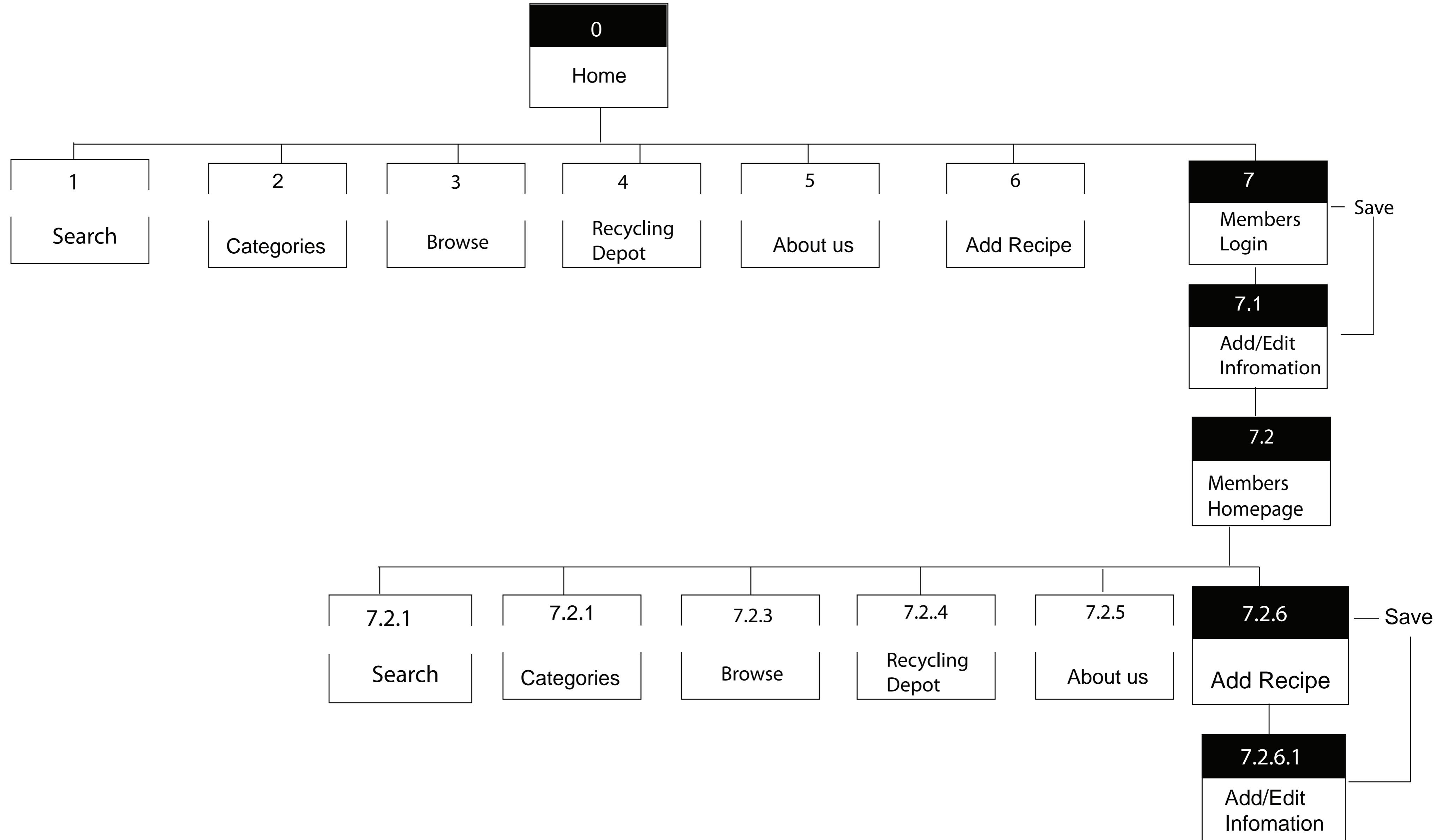
As an avid user, she went on to our website and posted her idea there to share with thousands of other users. Soon after, she received feedback on her idea and this motivated her to recycle something else this way.

She continued to recycle by posting more recycling recipes on our website.



# wireframe two

*posting a recycling recipe*



# scenario three

*finding a recycling depot*

Stephanie has some metal scraps left over from a project she was working on from our website. She turned an old lamp into a plant holder.

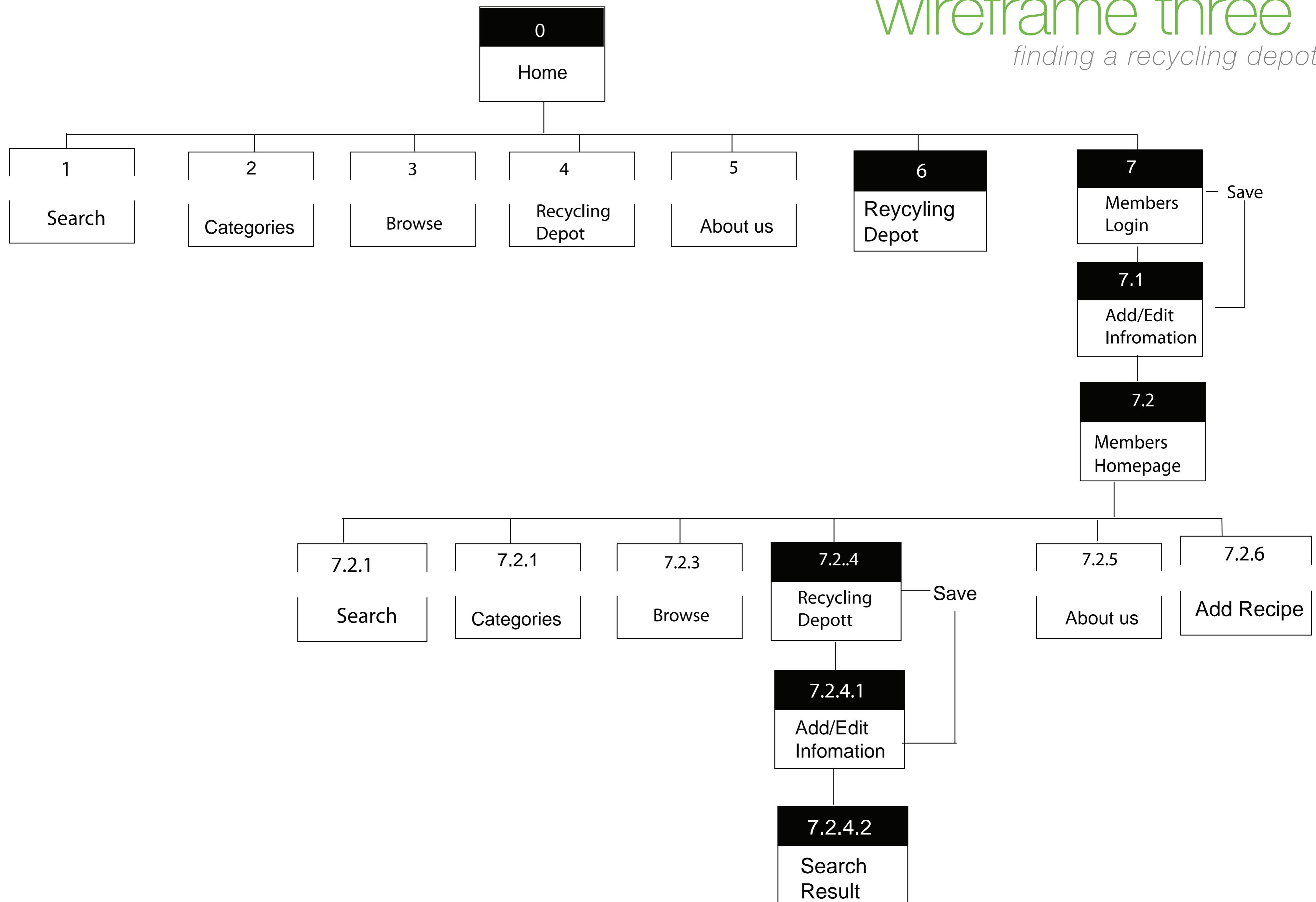
She knows that she can look up a recycling depot near her through our website so she logs on. She then clicks on the "find a recycling depot" link and after filling in the boxes, she locates a place to recycle the metal scraps.

She brings her recycling to the depot and drives home to enjoy her new plant holder.



# wireframe three

*finding a recycling depot*

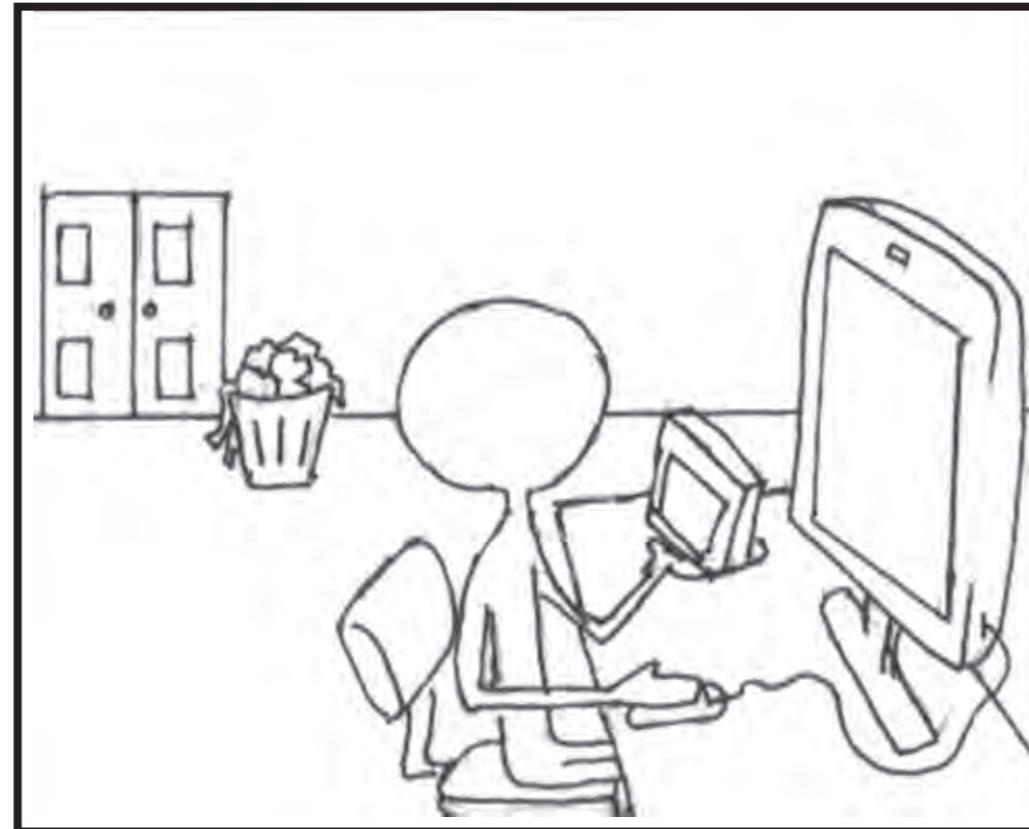


# Storyboard one

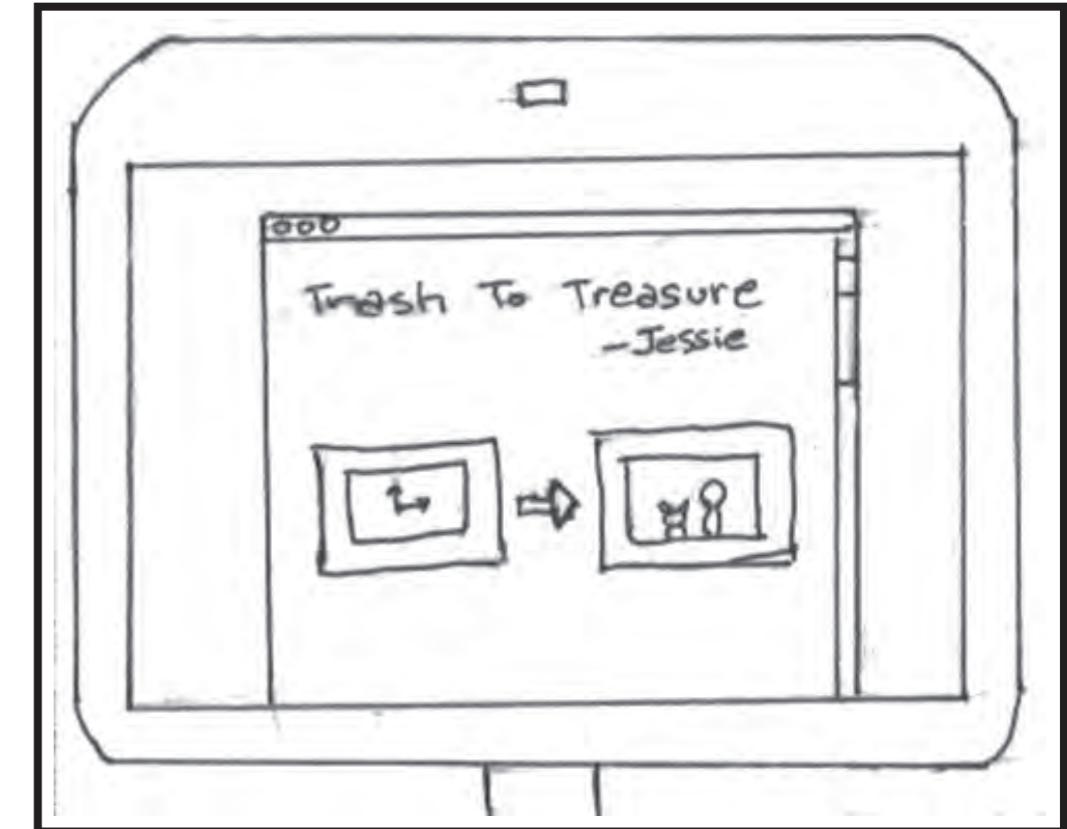
looking for recycling ideas



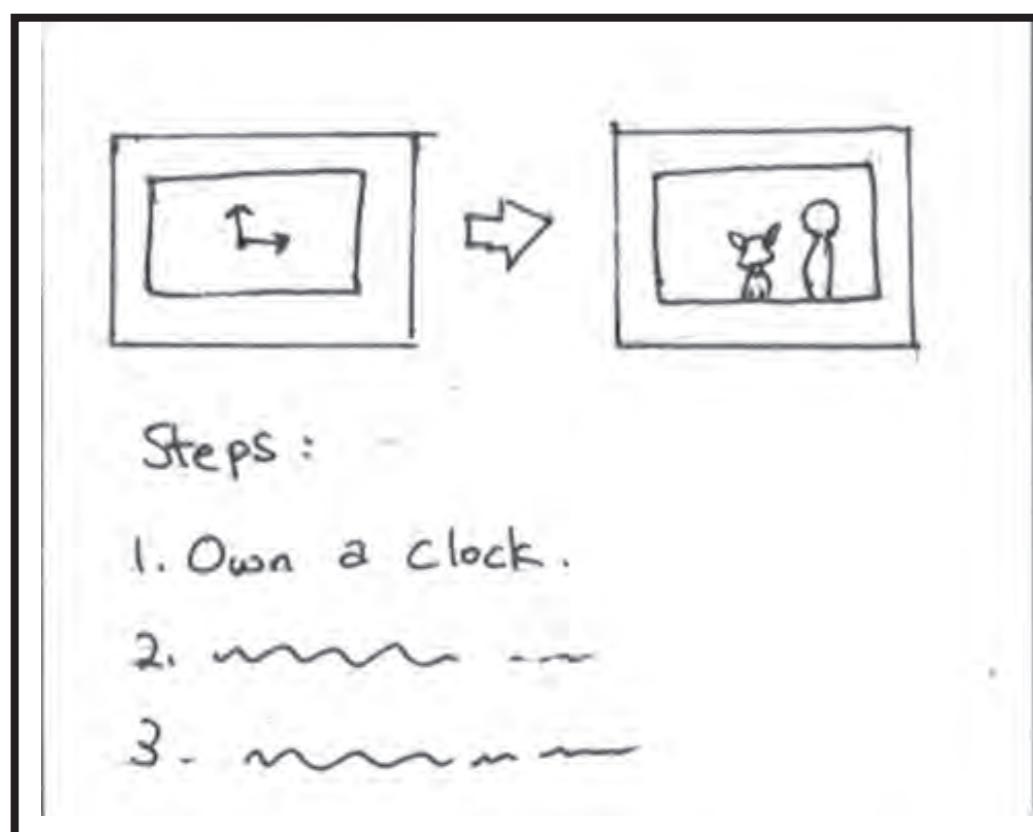
One day Stephanie is cleaning out her room and finds a clock that she no longer wants.



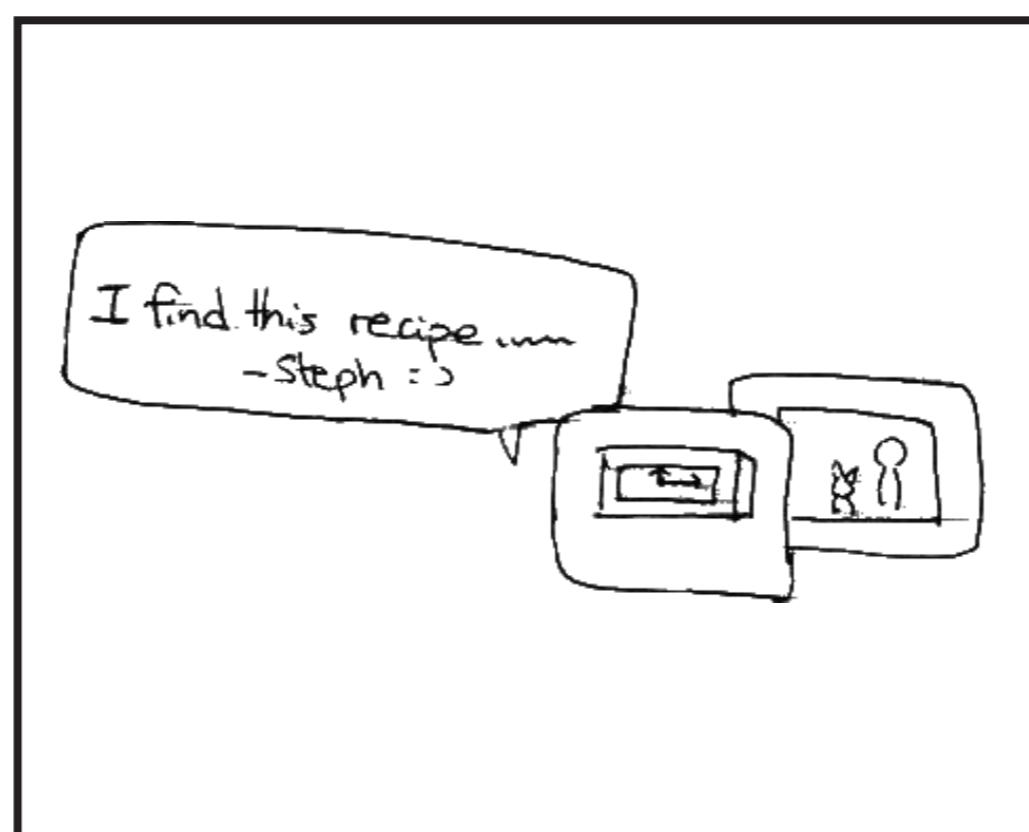
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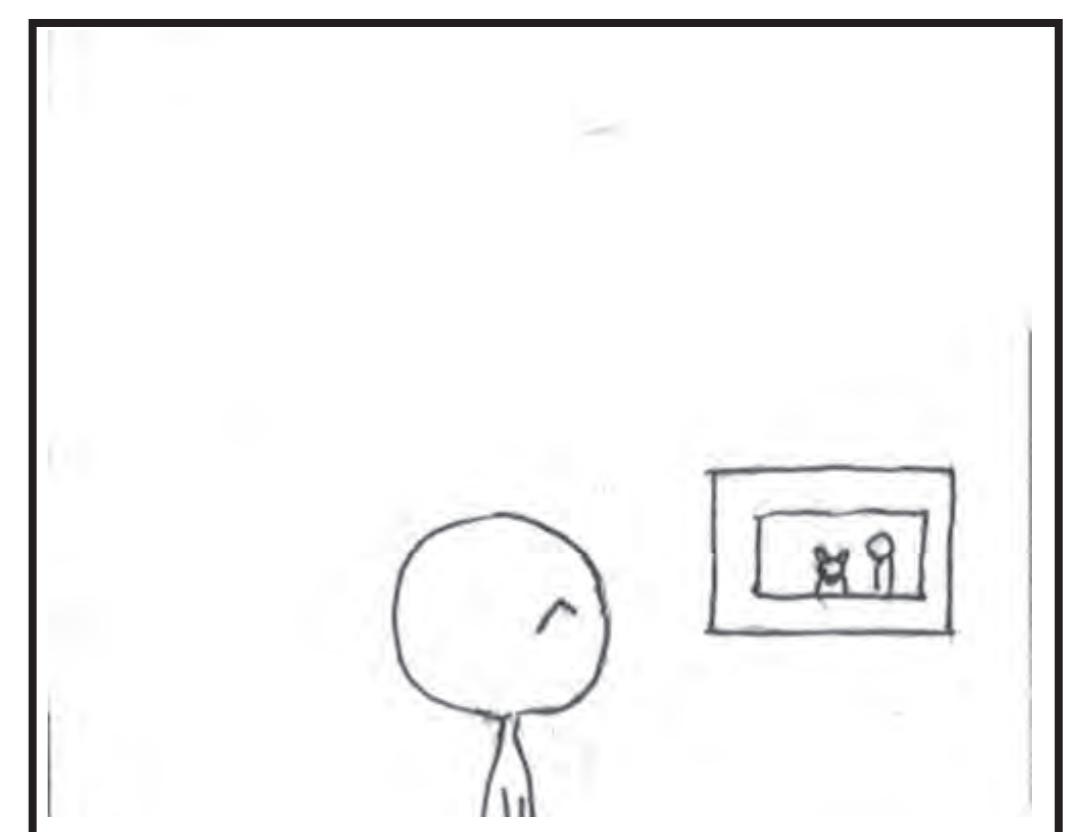
She looks up what she can do with her clock and finds a great recipe to turn it into a picture frame posted by another user, Jessie.



She follows the steps posted by Jessie and turns her clock into a picture frame.



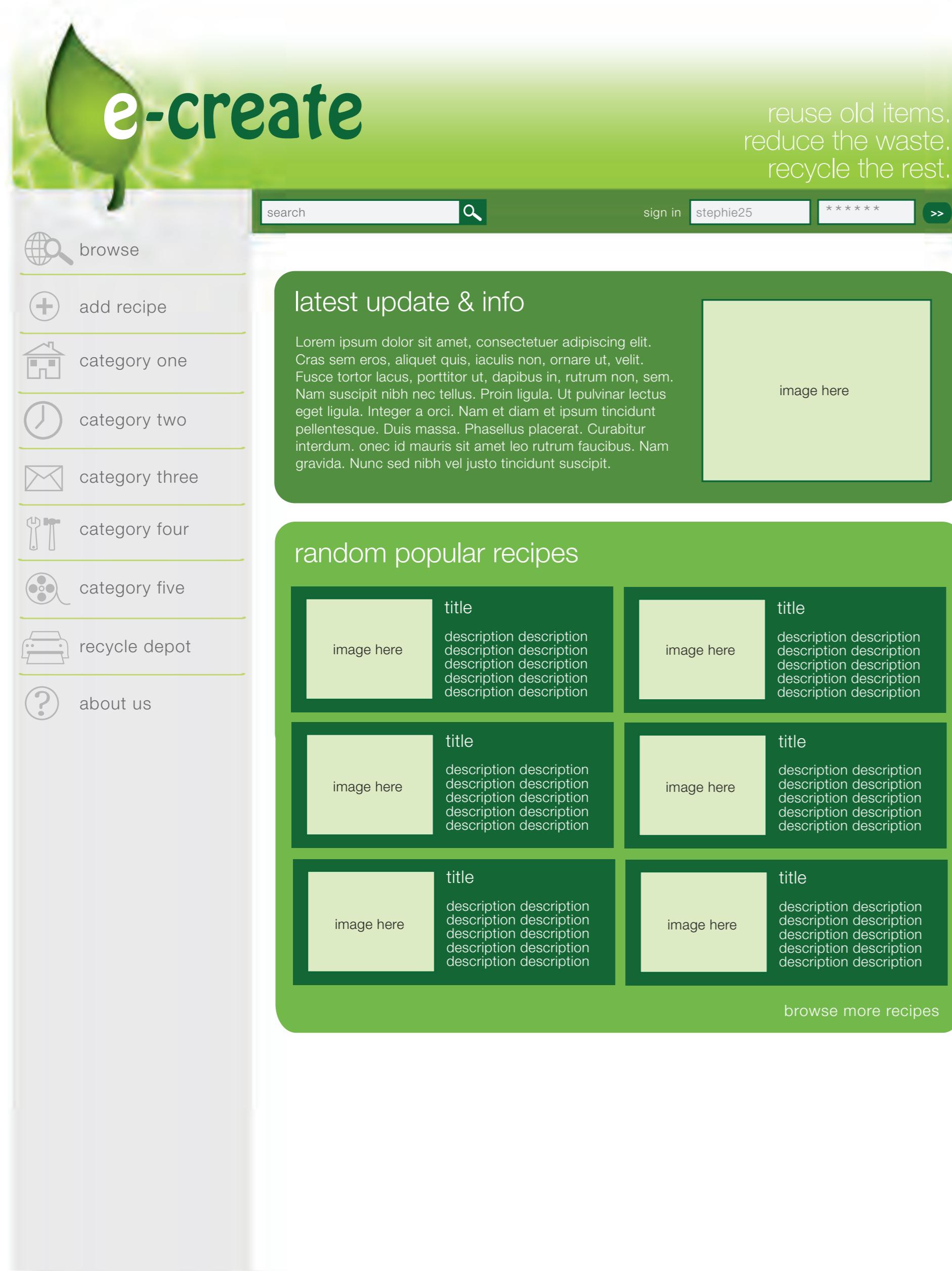
She posts her feedback and even uploads a picture of her new picture frame to show everybody else.



She logs off and enjoys her picture frame.

# interface sketch one

finding a recycling idea



The home page features a large green header with the 'e-create' logo and a leaf graphic. Below the header is a search bar, sign-in information for 'stephie25', and a slogan: 'reuse old items. reduce the waste. recycle the rest.' On the left, a sidebar lists navigation options: browse, add recipe, category one, category two, category three, category four, category five, recycle depot, and about us. The main content area includes a 'latest update & info' section with placeholder text and a large green box labeled 'image here'. Below it is a 'random popular recipes' section with a 3x2 grid of cards, each containing an image placeholder, title, and a long description of nine items.

reuse old items.  
reduce the waste.  
recycle the rest.

search

sign in stephie25

browse  
add recipe  
category one  
category two  
category three  
category four  
category five  
recycle depot  
about us

latest update & info

image here

random popular recipes

title  
description description description description description description description description description

title  
description description description description description description description description description

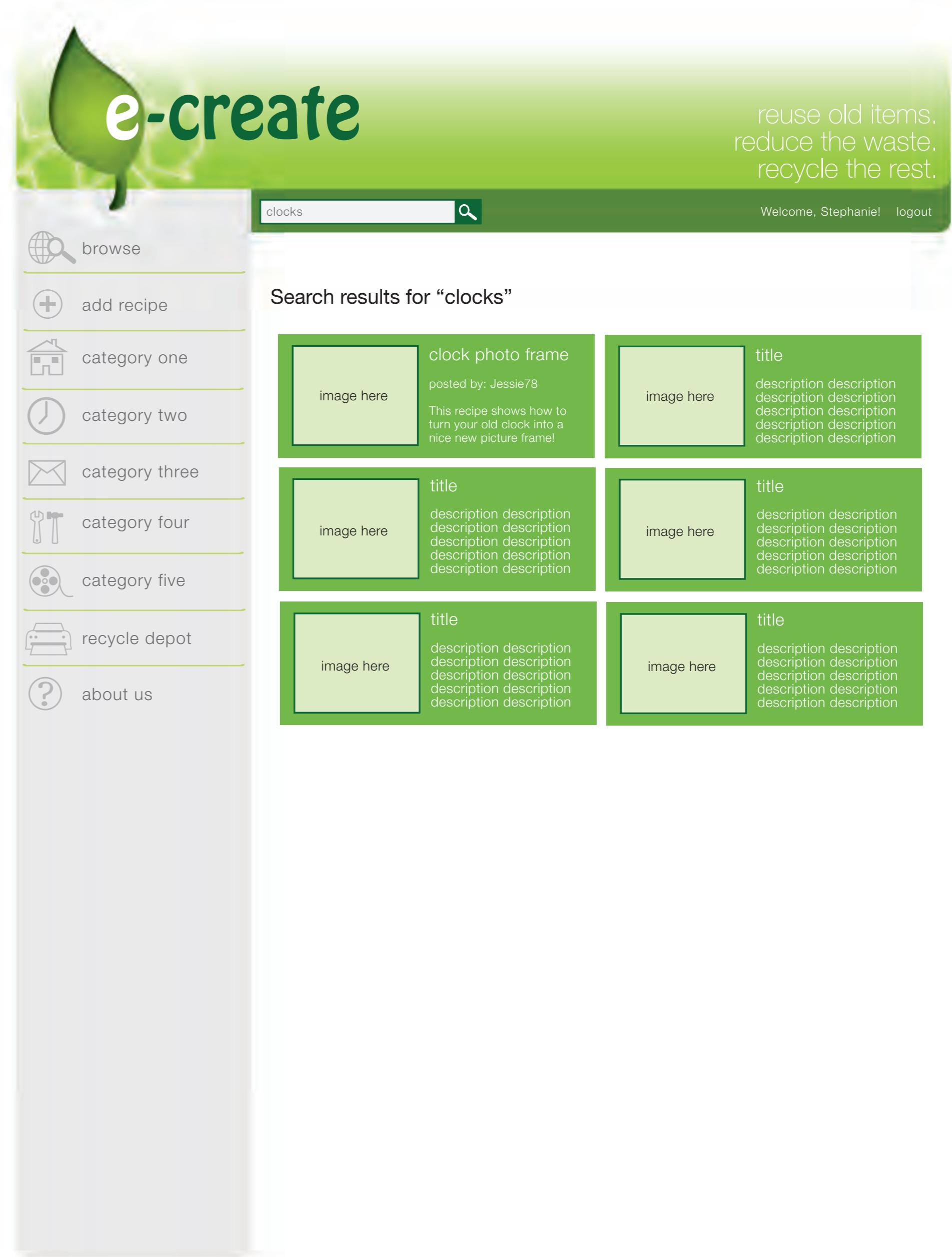
title  
description description description description description description description description description

title  
description description description description description description description description description

title  
description description description description description description description description description

title  
description description description description description description description description description

browse more recipes



The search results page has a similar layout to the home page but with a search bar set to 'clocks'. It includes the same slogan and sidebar. The main content area shows search results for 'clocks' in a 3x2 grid. Each result card contains an image placeholder, title, and a detailed description of nine items. The descriptions are identical to those on the home page.

reuse old items.  
reduce the waste.  
recycle the rest.

clocks

Welcome, Stephanie!

browse  
add recipe  
category one  
category two  
category three  
category four  
category five  
recycle depot  
about us

Search results for "clocks"

clock photo frame  
posted by: Jessie78  
This recipe shows how to turn your old clock into a nice new picture frame!

title  
description description description description description description description description description

title  
description description description description description description description description description

title  
description description description description description description description description description

title  
description description description description description description description description description

title  
description description description description description description description description description

# interface sketch one

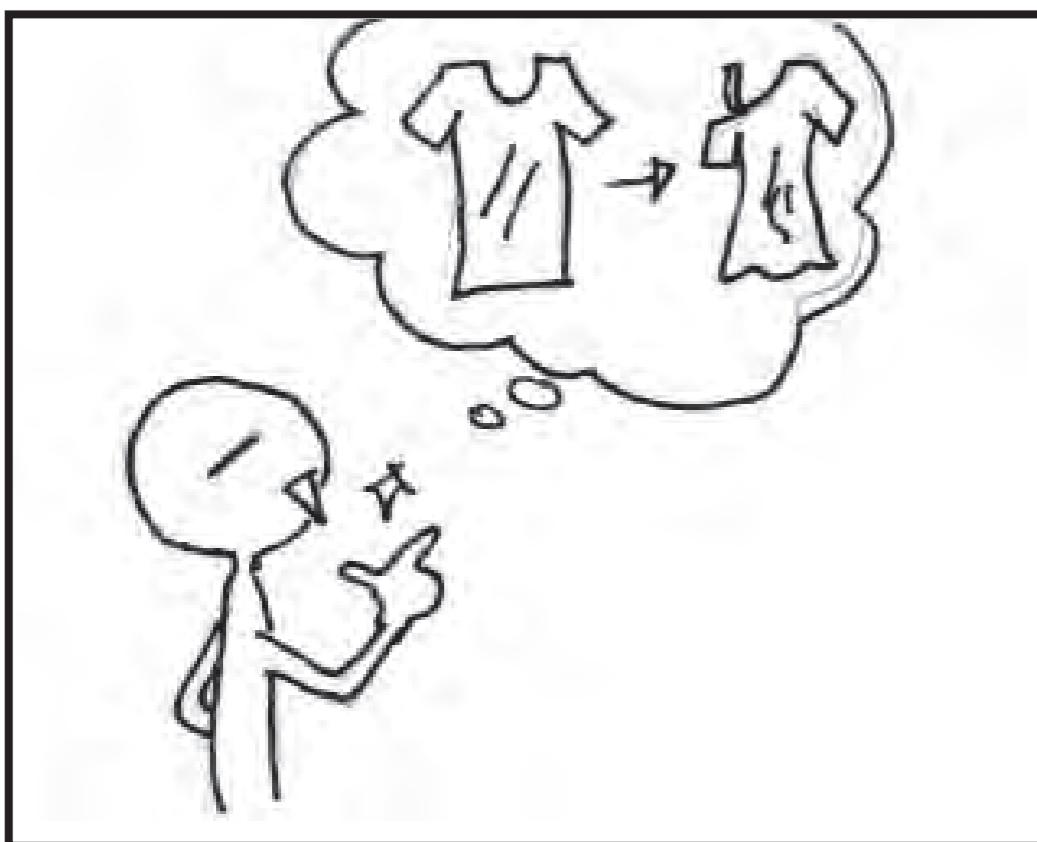
finding a recycling idea

The left side of the interface shows a sidebar with navigation links: browse, add recipe, category one, category two, category three, category four, category five, recycle depot, and about us. The main content area features a large green header with the e-create logo and the tagline "reuse old items. reduce the waste. recycle the rest.". A search bar with the query "clocks" and a magnifying glass icon is at the top. Below it, a welcome message "Welcome, Stephanie!" and a logout link are visible. The central part of the page displays a recipe titled "How to turn an old clock into a picture frame". It includes sections for "Materials" (clock, scissors, poster paper, glue/tape, photos) and "Instructions" (a numbered list of 9 steps). Below these are sections for "Photos" (a grid of 8 image thumbnails labeled "image thumbnail here") and "Video" (a large video player placeholder labeled "video plays here"). At the bottom right are "feedback" and "send an e-mail" buttons.

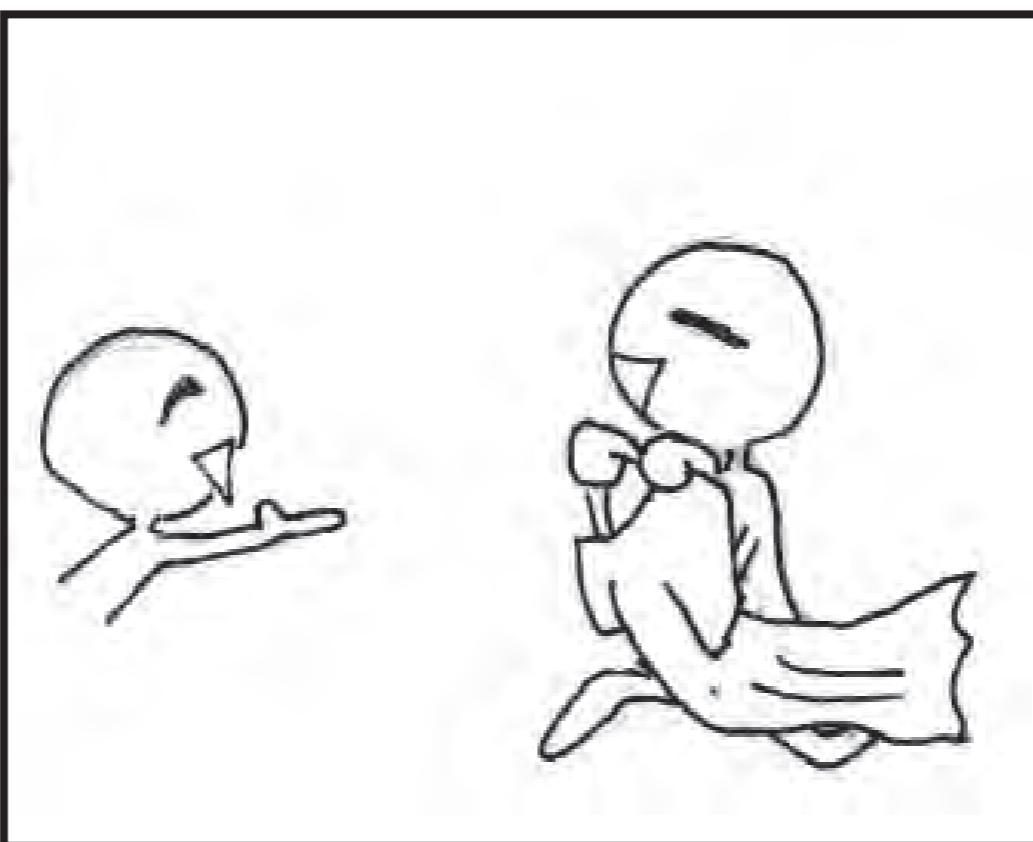
The right side of the interface shows a sidebar with the same navigation links as the left. The main content area has a large green header with the e-create logo and the tagline "reuse old items. reduce the waste. recycle the rest.". A search bar with the query "clocks" and a magnifying glass icon is at the top. Below it, a welcome message "Welcome, Stephanie!" and a logout link are visible. The central part of the page displays a "Feedback" section with a "comment here" input field. Below it is a "Photo Uploads" section showing a file named "clockphoto.jpg" and a "Browse" button. At the bottom right is a "Submit" button. The sidebar also includes a "comment here" link.

# Storyboard two

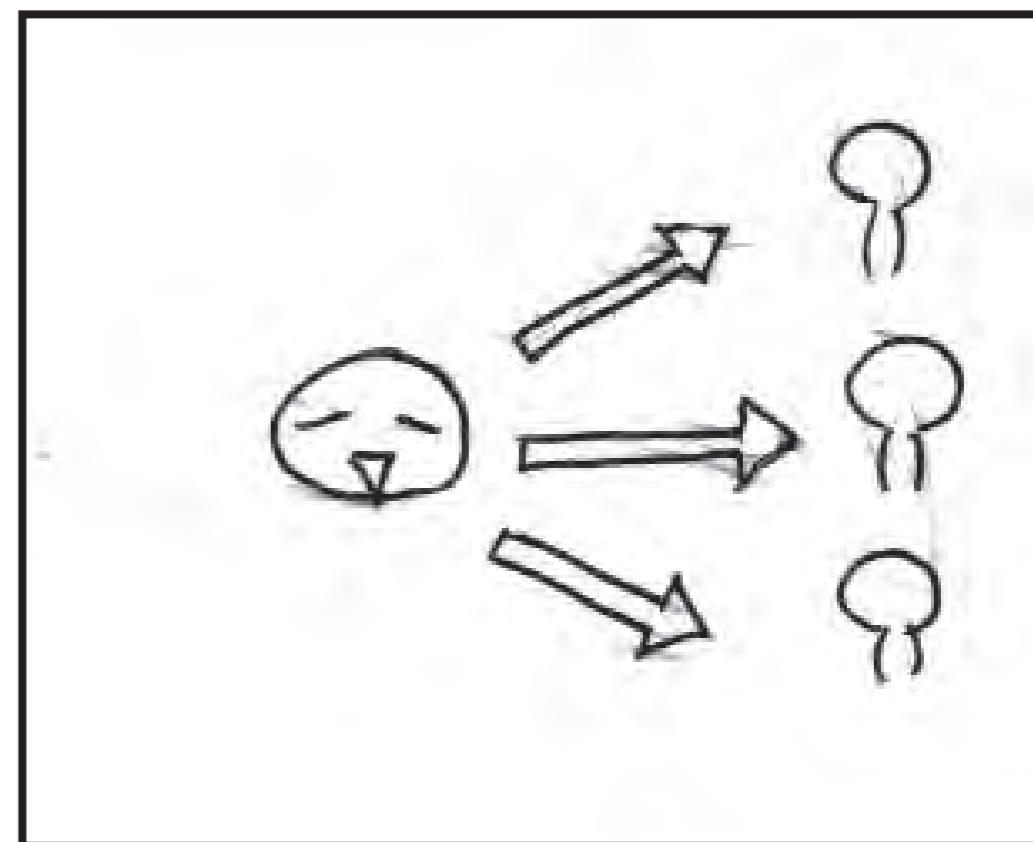
*posting a recycling recipe*



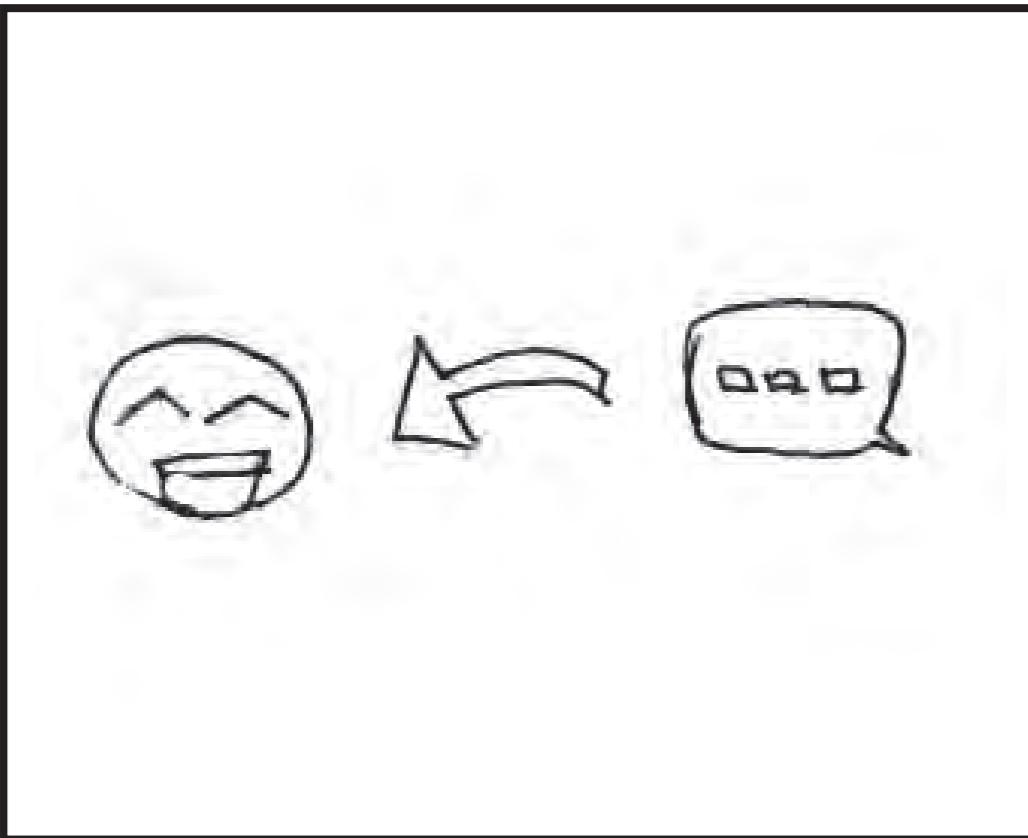
One day Stephanie had an idea for turning an old baggy t-shirt into a nice dress.



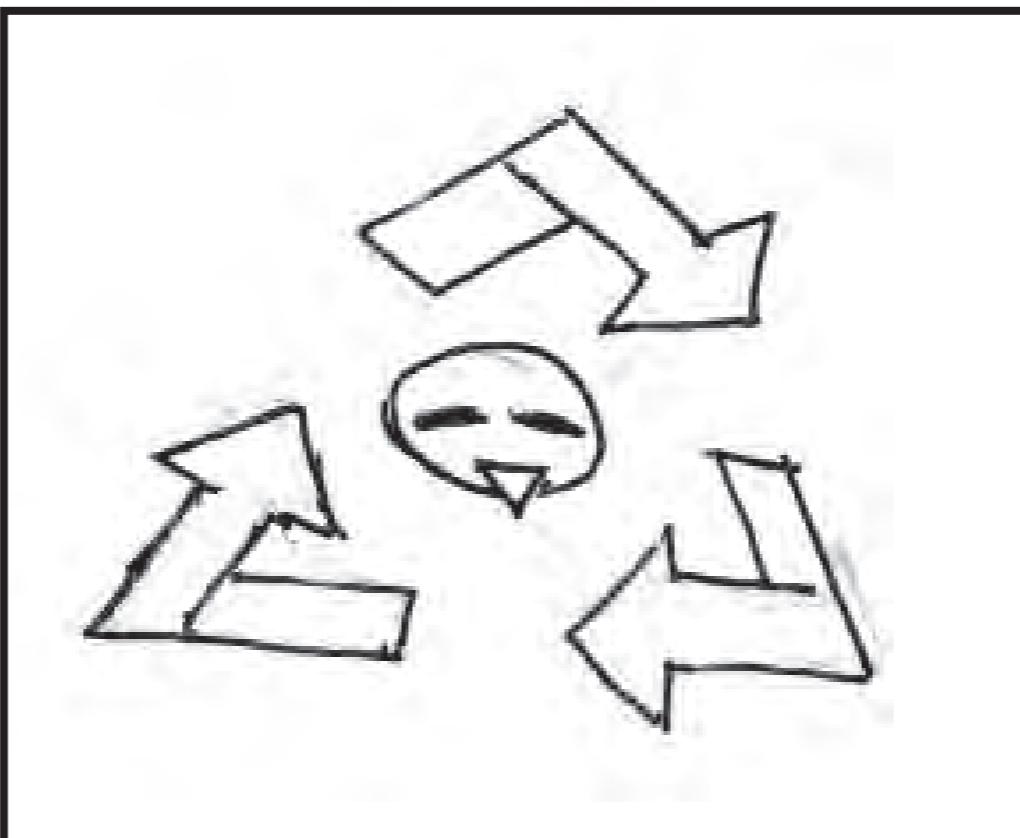
She created this nice dress and wanted to share it with others.



As an avid user, she went on to our website and posted her idea there to share with thousands of other users.



Soon after, she received feedback on her idea and this motivated her to recycle something else this way.



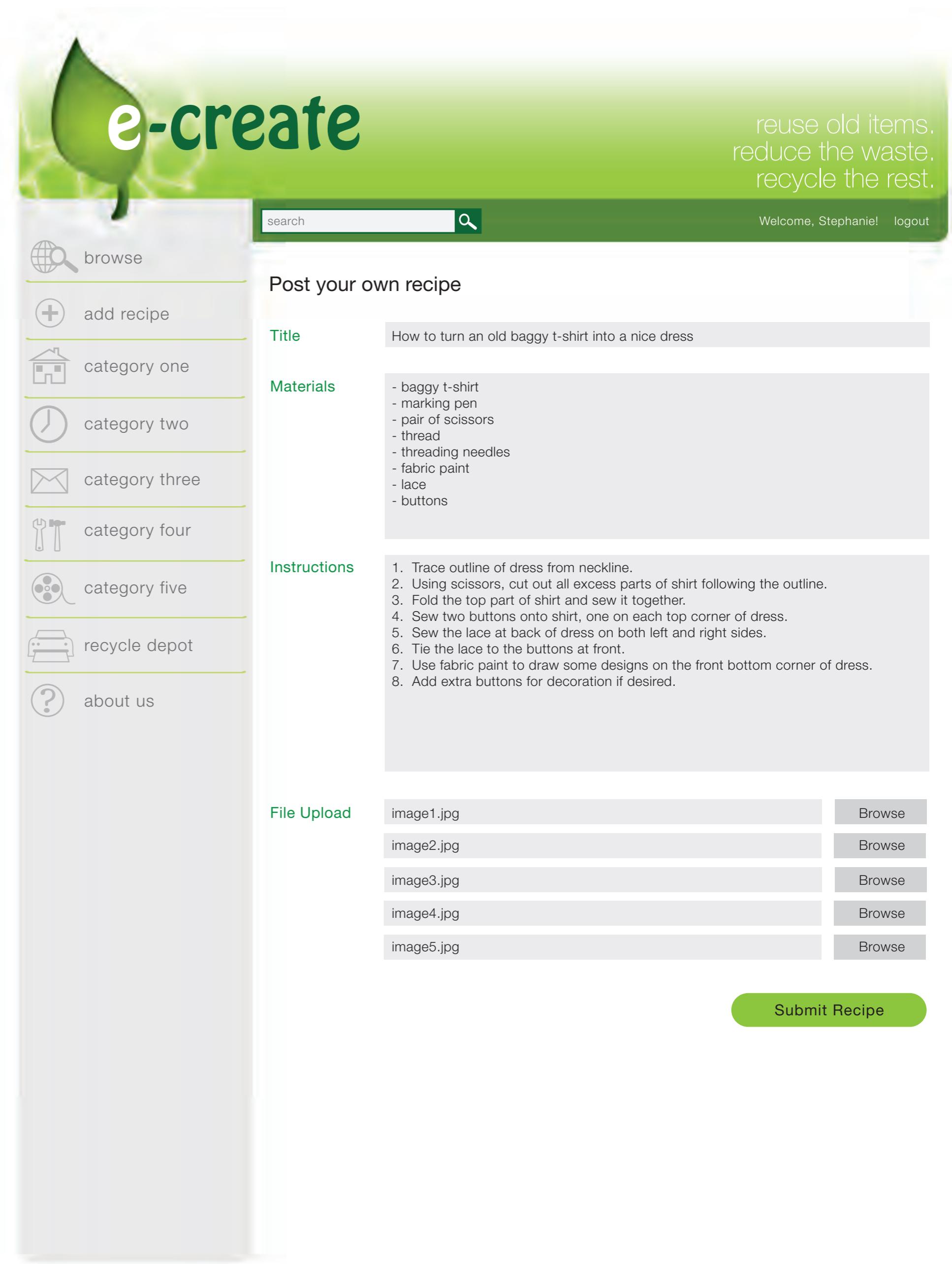
She continued to recycle by posting more recycling recipes on our website.

# interface sketch two

posting a recycling recipe



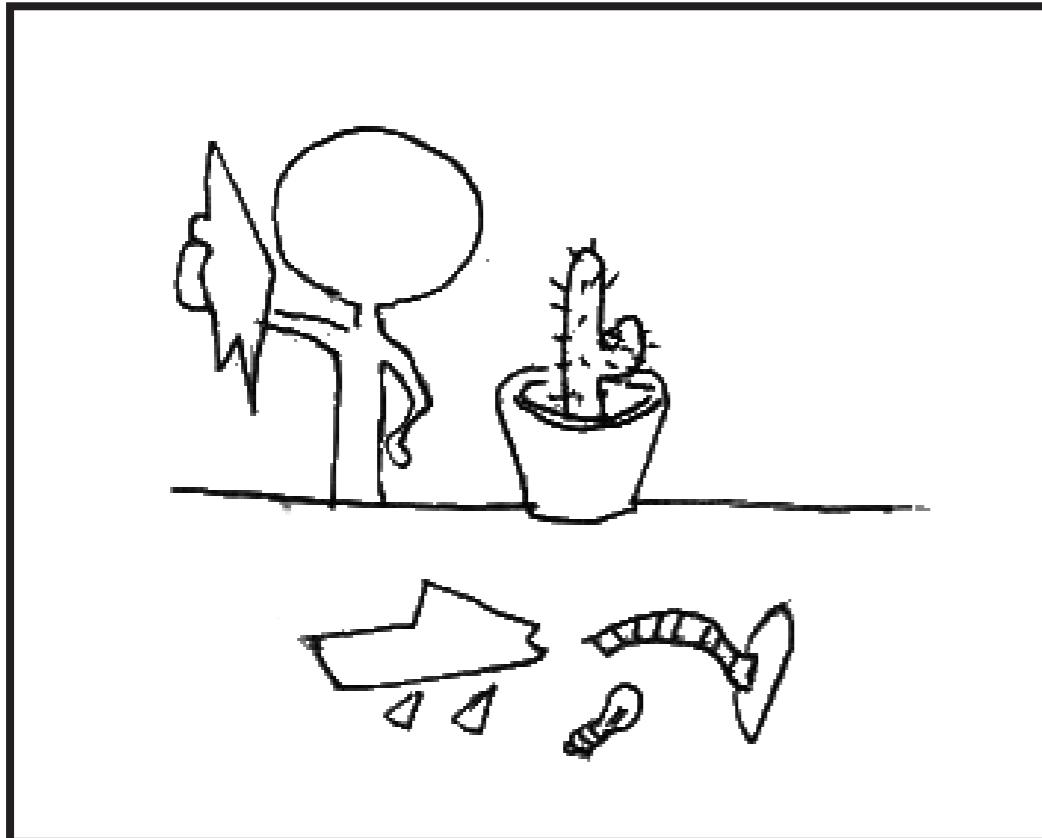
The left side of the image shows the e-create homepage. At the top, there's a green header bar with the text "reuse old items. reduce the waste. recycle the rest." and the "e-create" logo featuring a stylized green leaf. Below the header is a navigation bar with a search bar, sign-in information ("sign in stephie25"), and a "browse" button. To the right of the search bar is a placeholder box labeled "image here". On the left, there's a sidebar with icons and labels: "browse", "add recipe", "category one", "category two", "category three", "category four", "category five", "recycle depot", and "about us". A large central area titled "latest update & info" contains a placeholder box for an image and some placeholder text. Below it is a section titled "random popular recipes" with four placeholder boxes for images and descriptions.



The right side of the image shows the e-create interface for posting a recycling recipe. At the top, there's a green header bar with the text "reuse old items. reduce the waste. recycle the rest." and the "e-create" logo. Below the header is a navigation bar with a search bar, "Welcome, Stephanie!" and "logout" buttons. To the right of the search bar is a placeholder box labeled "image here". On the left, there's a sidebar with icons and labels: "browse", "add recipe", "category one", "category two", "category three", "category four", "category five", "recycle depot", and "about us". The main content area is titled "Post your own recipe". It includes fields for "Title" (set to "How to turn an old baggy t-shirt into a nice dress"), "Materials" (a list including a baggy t-shirt, marking pen, pair of scissors, thread, threading needles, fabric paint, lace, and buttons), and "Instructions" (a numbered list of steps). At the bottom, there's a "File Upload" section with five input fields for file names ("image1.jpg" through "image5.jpg") and "Browse" buttons, followed by a "Submit Recipe" button.

# Storyboard three

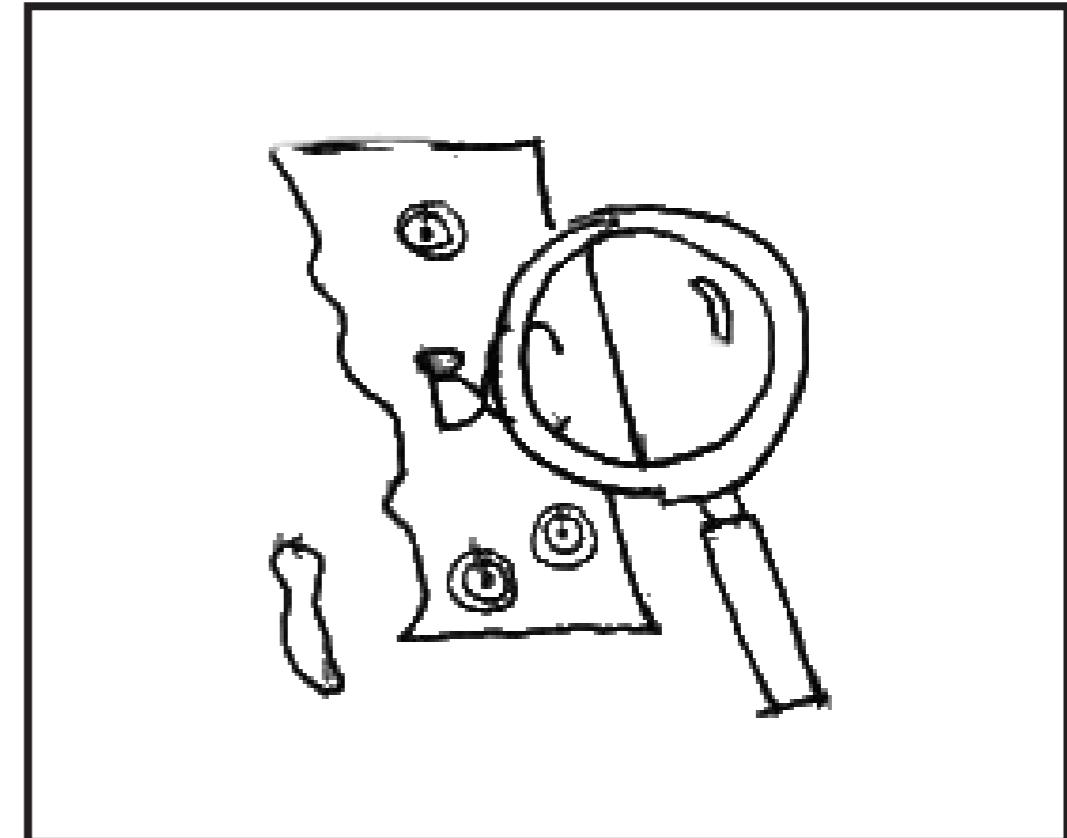
finding a recycling depot



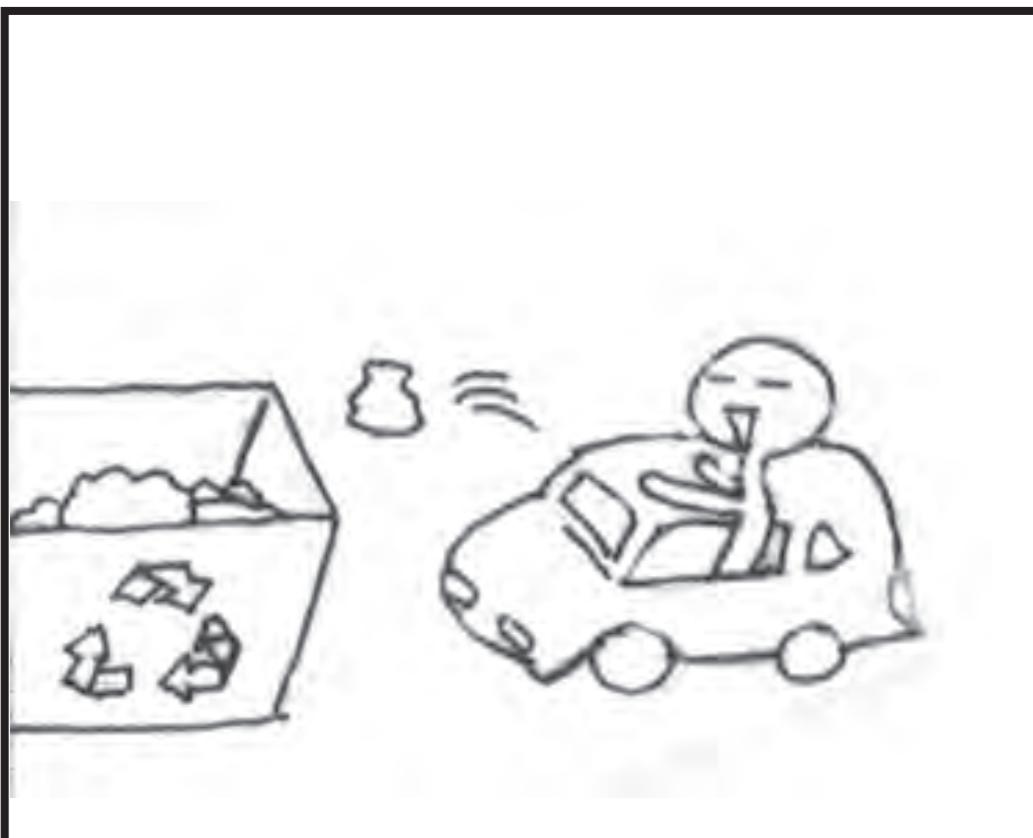
Stephanie has some metal scraps left over from a project she was working on from our website. She turned an old lamp into a plant holder.



She knows that she can look up a recycling depot near her through our website so she logs on.



She then clicks on the "find a recycling depot" link and locates a place to recycle the metal scraps.



She brings her recycling to the depot and drives home to enjoy her new plant holder.

# interface sketch three

finding a recycling depot

**e-create**

reuse old items.  
reduce the waste.  
recycle the rest.

Welcome, Stephanie! logout

search

browse

+ add recipe

category one

category two

category three

category four

category five

recycle depot

about us

Find your nearest recycling depot

Country: Canada

Province: British Columbia

City: Vancouver

Recycling Product:

- Paper
- Plastic
- Metal
- Electronic Parts
- Rubber
- Clothes
- Furniture
- Others

Find Location

**e-create**

reuse old items.  
reduce the waste.  
recycle the rest.

Welcome, Stephanie! logout

search

browse

+ add recipe

category one

category two

category three

category four

category five

recycle depot

about us

Search results for nearest recycling depots

LOCATION 1  
4839 Southwest Marine Drive, Vancouver B.C.  
Hours of Operation:  
Monday to Friday 10am - 6pm  
Saturday, Sunday 12pm - 5pm

map details

LOCATION 2  
3214 Main Street, Vancouver B.C.  
Hours of Operation:  
Monday to Friday 8am - 6pm  
Saturday, Sunday 10am - 5pm

map details

LOCATION 3  
904 Southpoint Drive, Burnaby B.C.  
Hours of Operation:  
Monday to Friday 10am - 6pm  
Saturday, Sunday 11am - 5pm

map details

# conclusion

Our main goal is to help educate our users on recycling while at the same time open their minds to a different way of environmental sustainability. In short, we want to do our part for a sustainable environment.

We believe that we will be able to create a fun, educational and fully accessible website that will turn recycling into a fun hobby for the average person, and at the same time help reduce waste one item at a time.

