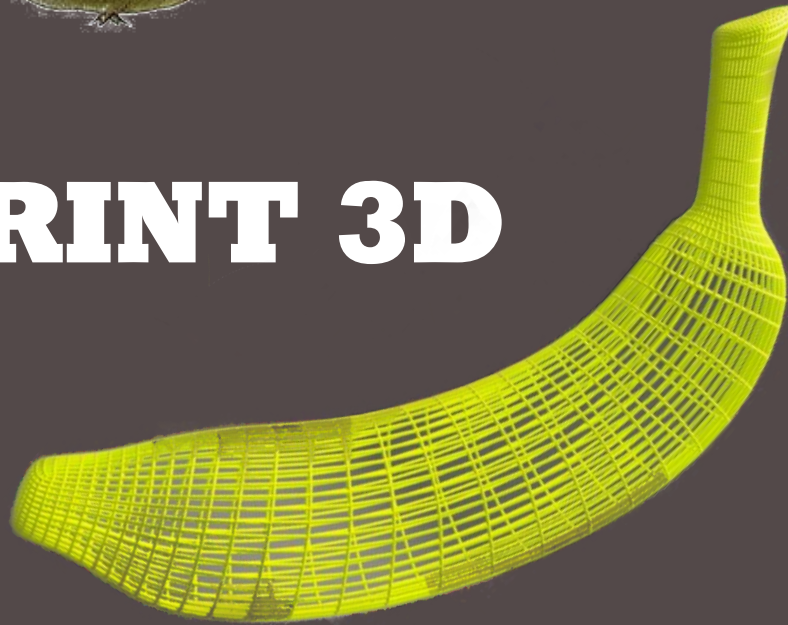# FOODPRINT 3D

ERNEST LEE
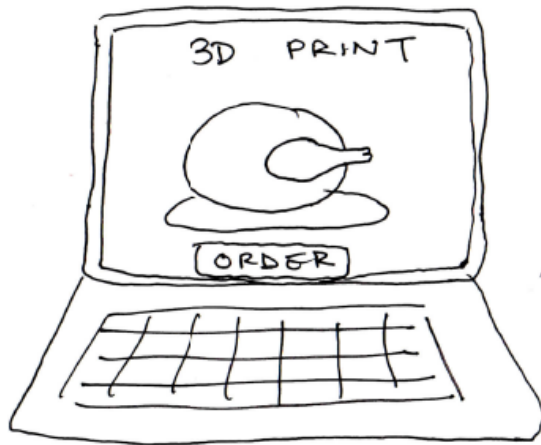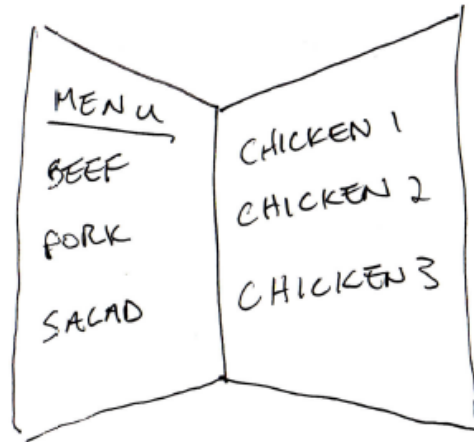
**UCSC MOBILE
INTERFACE DESIGN**

WHAT IS A 3D PRINTER?

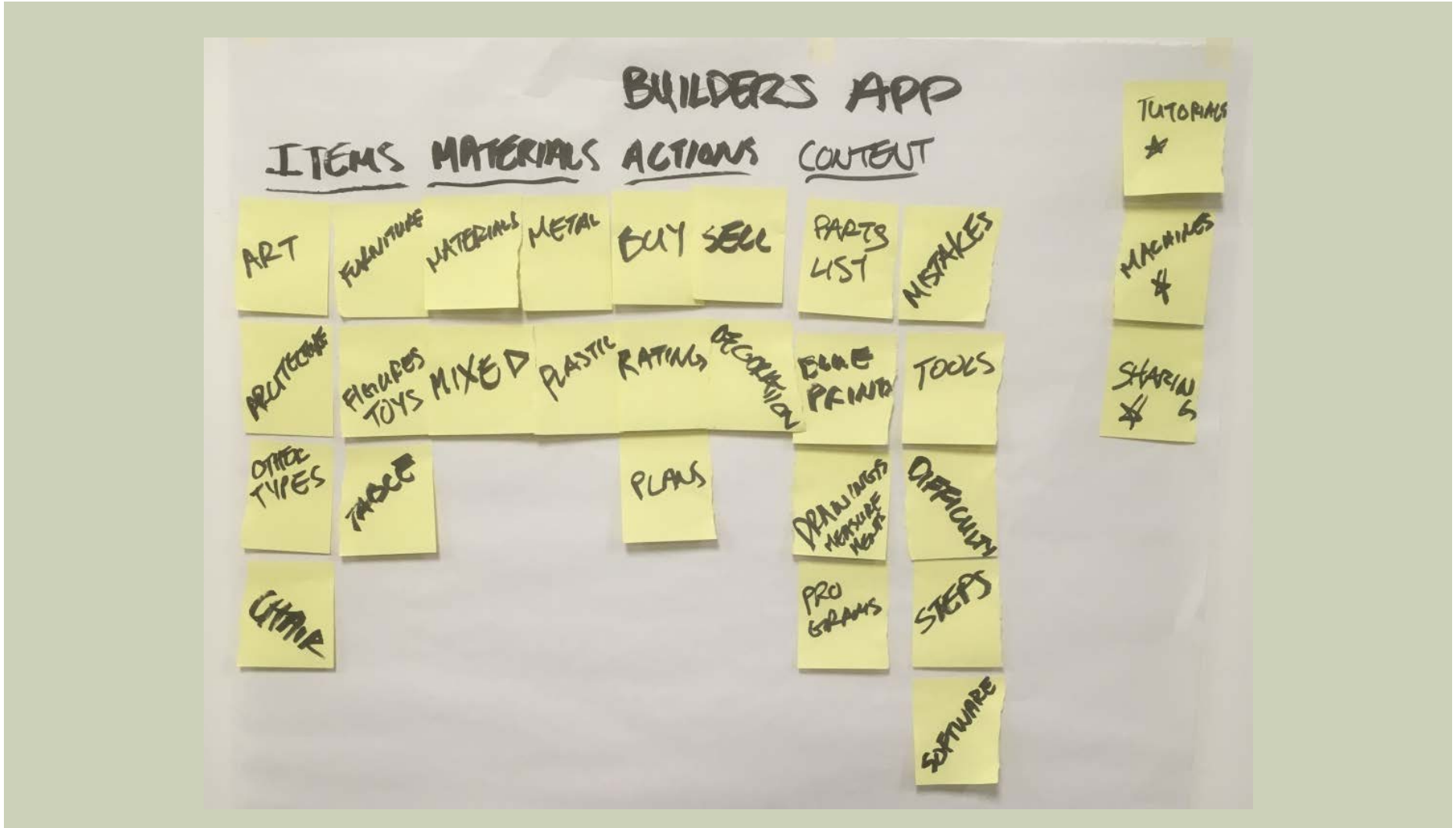# 3D CHOCOLATE PRINTER

STORY SKETCH

USE CASES FOR 3D PRINTED FOOD

- 3D food can be printed for restaurants
- 3D food can be printed for props in movies or TV shows
- 3D food can be printed as art forms

BRAINSTORMING

BRAINSTORMING – TOP KEYWORDS

ROBOTS

WOOD

FOOD

BUILD

3D PRINT

VIDEOS PICTURES

BRAINSTORMING – TOP IDEAS

- Builder's site for wood robots with pictures/videos

- Plans for creating 3D printed food

- 3D printed robots that make food

- App that shows you how to make food using wooden robot devices

- Use food to build robots

APP IDEA
PLANS FOR CREATING 3D PRINTED FOOD

- Initial concept
  - Build a community of users who share plans or design files for 3D printed food
  - Users would share 3D files with each other and be able to print them
  - Users would be able to modify existing design files for their own use

- Refined concept
  - Build a community of users who share designs for 3D printed food
  - Users are only allowed to print shared designs
  - Design files are private and only accessible to the designer

MEANINGFUL FRAMEWORK

Breadth

Allow users to showcase their designs or how they use their printed products on social media.

Duration

- Include a video or an on-screen demo on how to use the app.
- Showcase slideshow of newest food designs on home page.

Interaction

- Allow users to actively create and share designs with each other.
- Include comment and review sections to help the designer improve their design.

MEANING

EXPERIENCE
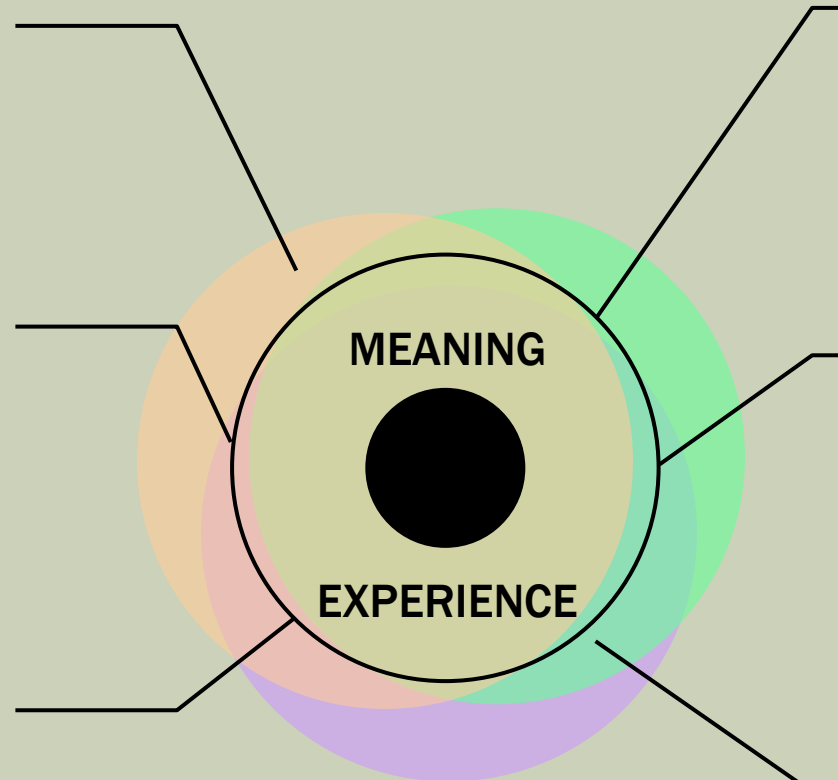
Significance

Provide a community environment where people can share their designs with each other.

Intensity

- Notify user of newly added designs to keep the user engaged.
- Allow users to message with other users.
- Make suggestions of other designs that may be of interest

Triggers

Include a gallery showing multiple attractive images of food designs.

HAND SKETCHES
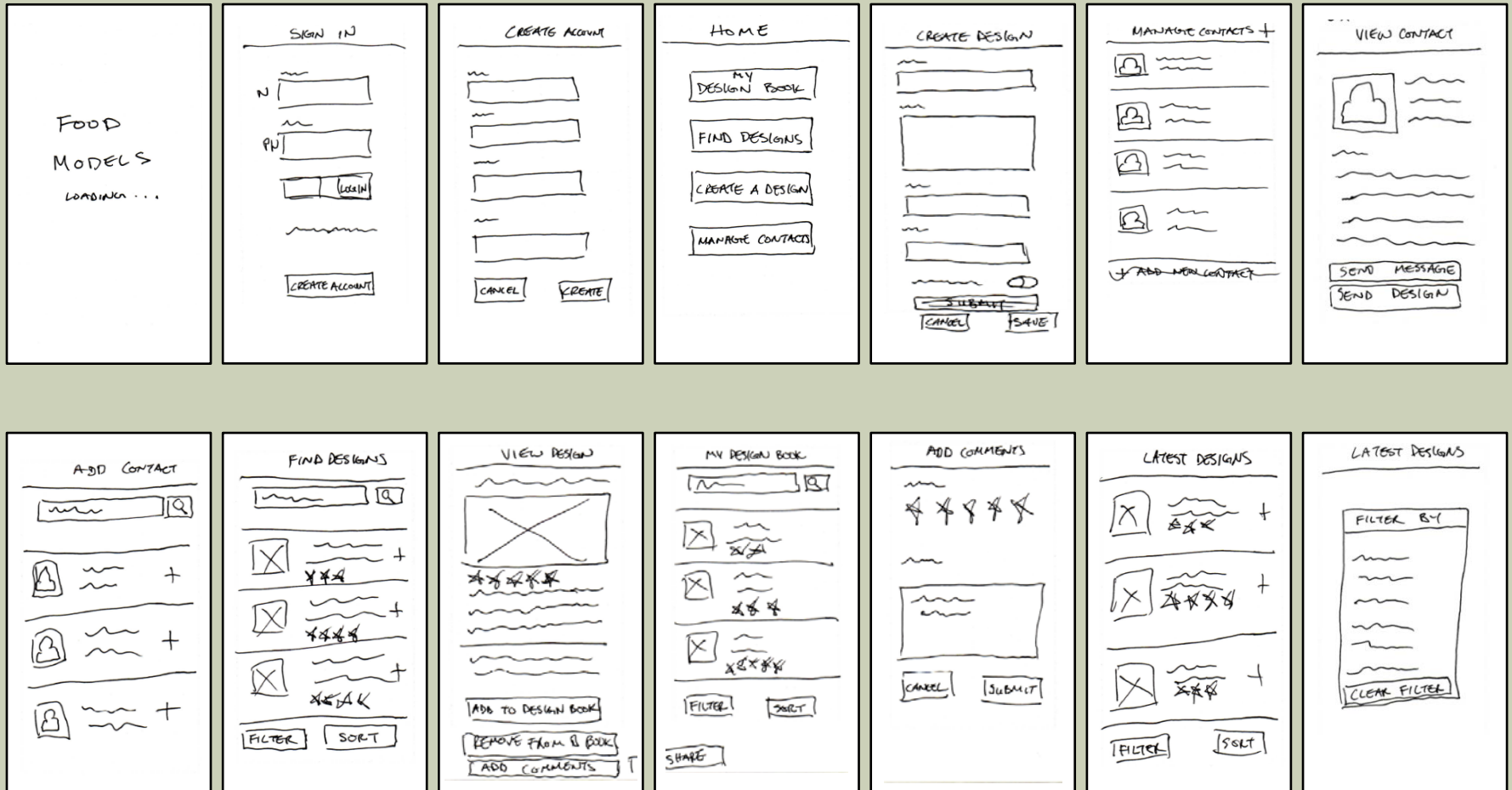
FEEDBACK ROUND 1

- Create a better home page
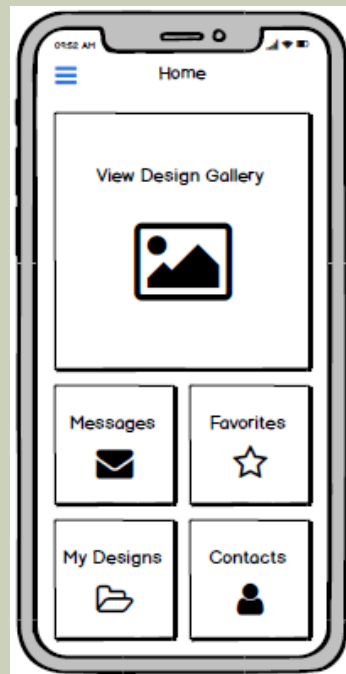
FEEDBACK ROUND 1

- Consider top or tabbed navigation
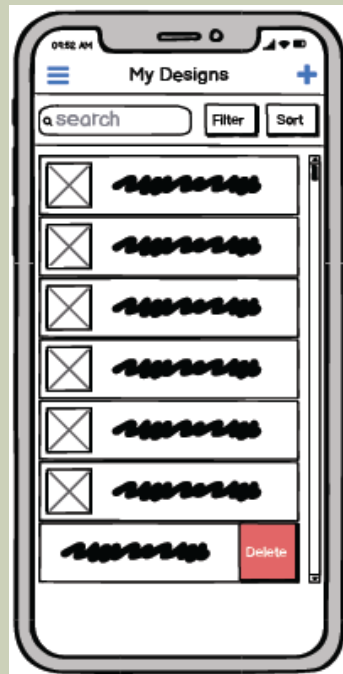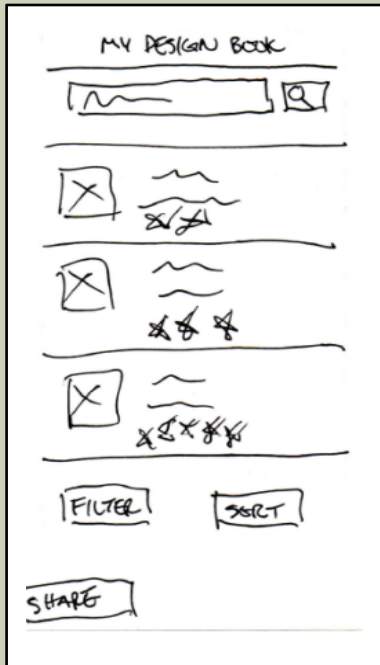
FEEDBACK ROUND 1

- Put popular trends at the beginning
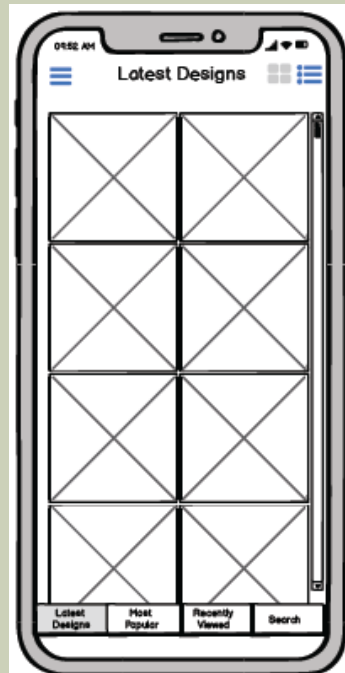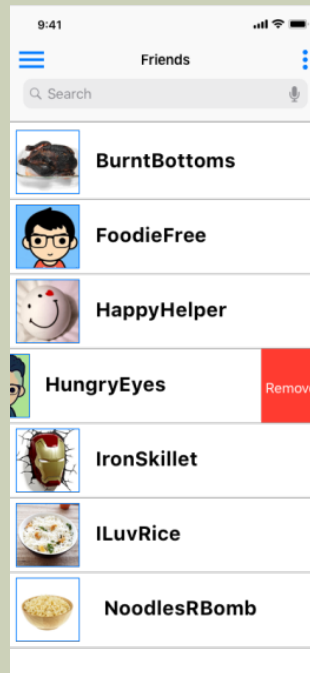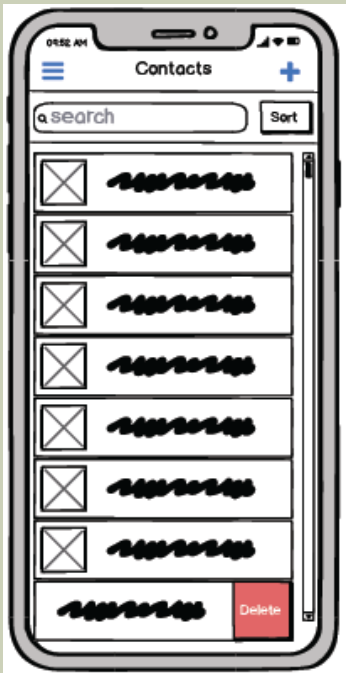
BALSAMIQ
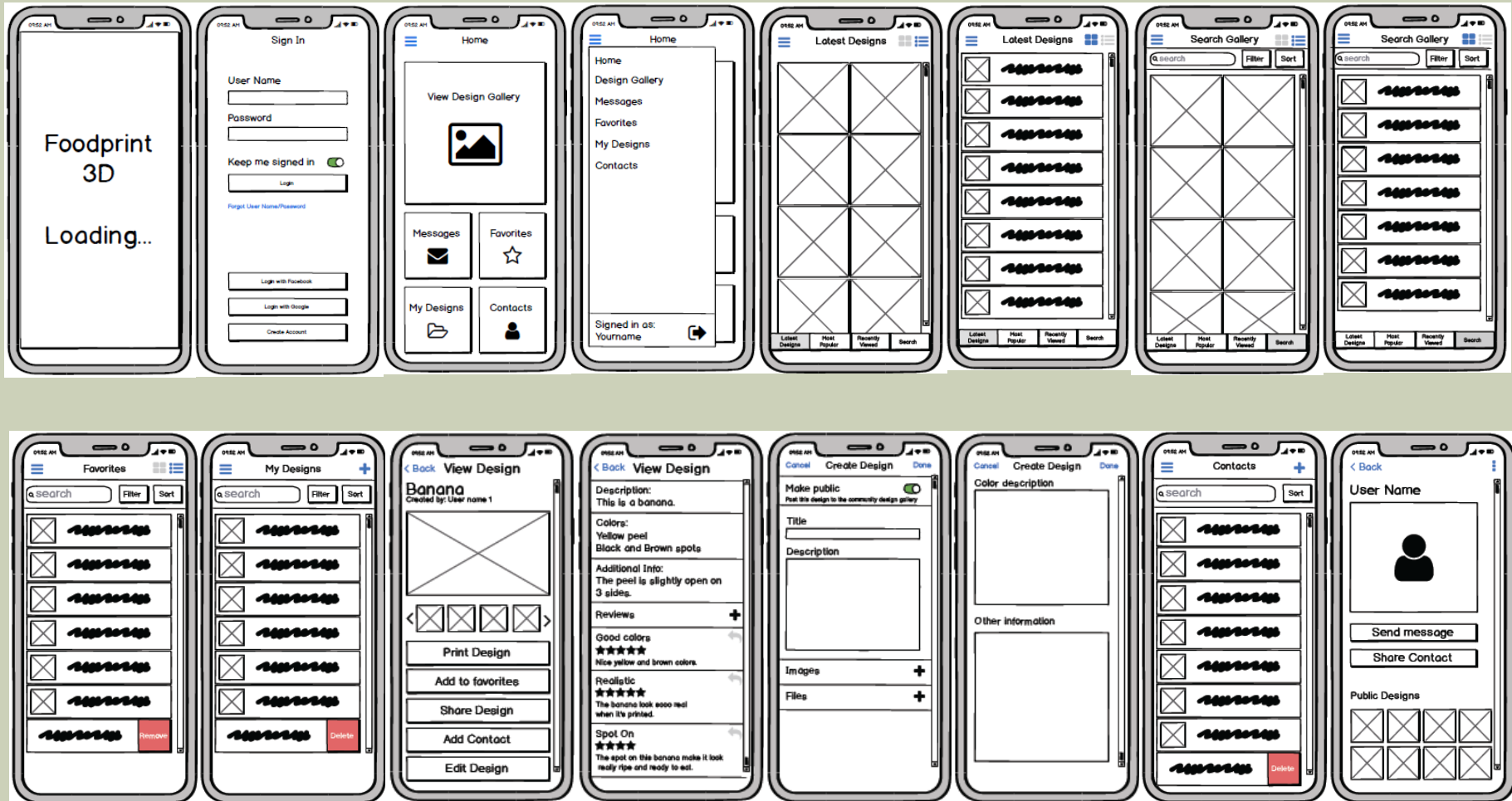
FEEDBACK ROUND 2

- Use more icons instead of words
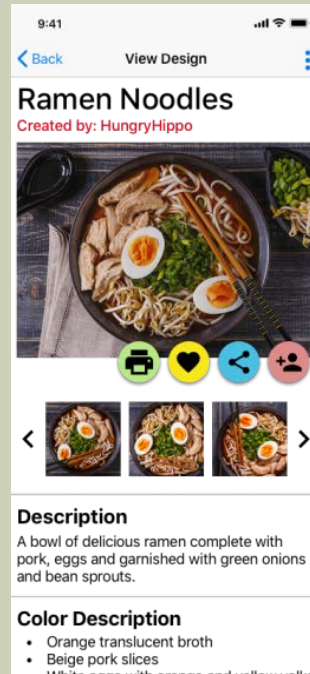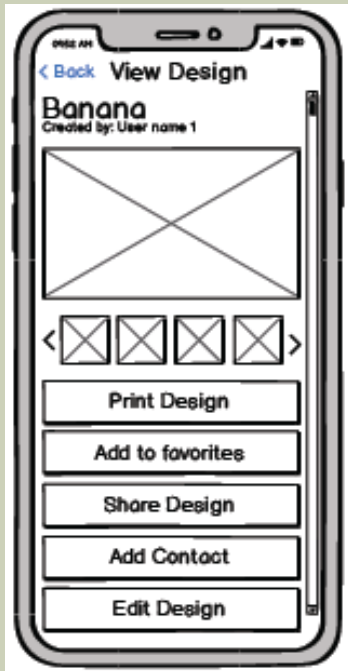
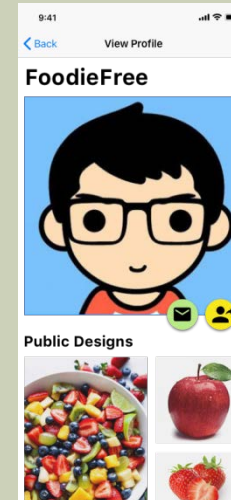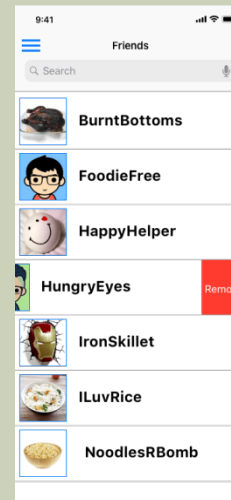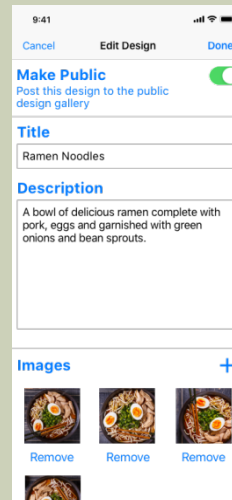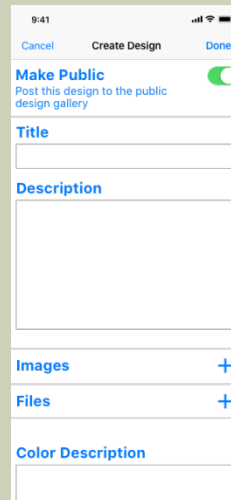# FEEDBACK ROUND 2
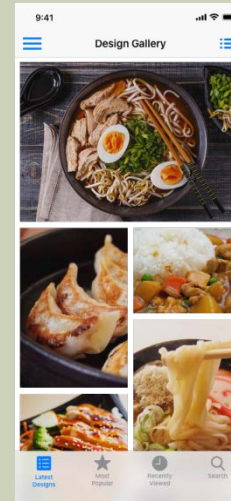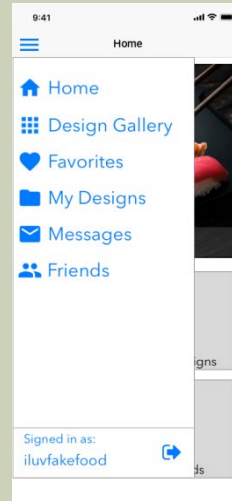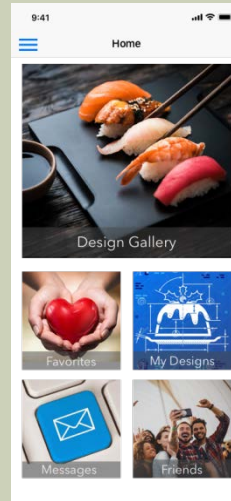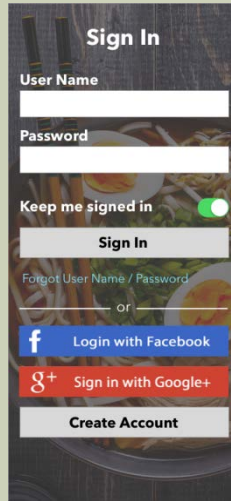
- Use quilted image view instead of grid view
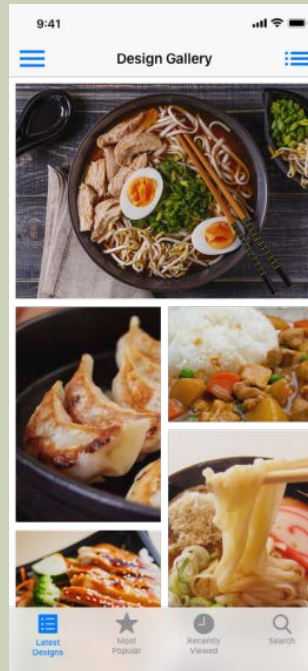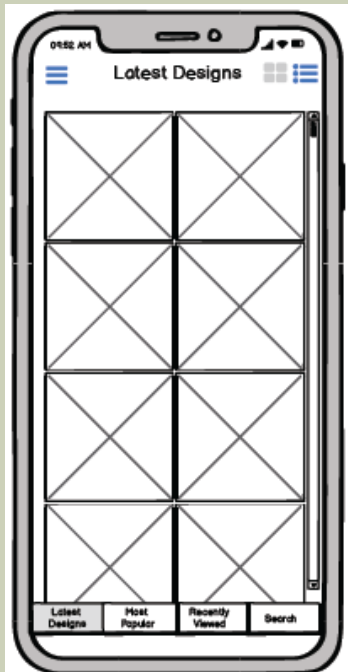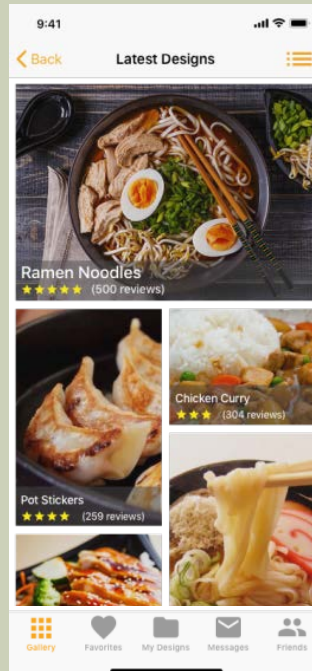
FEEDBACK ROUND 2

- Change the wording of contacts to friends

VISUAL DESIGN – DRAFT 1
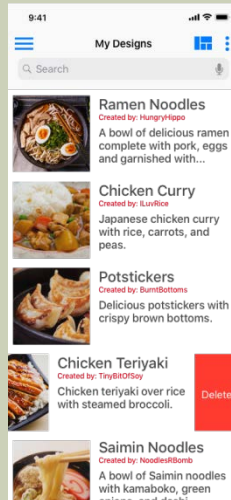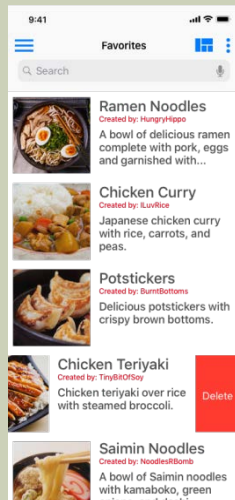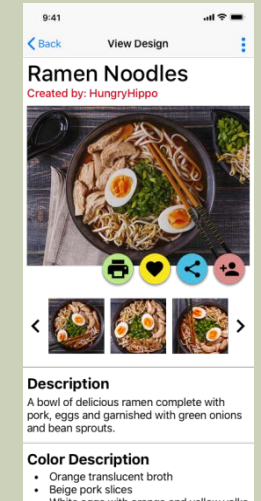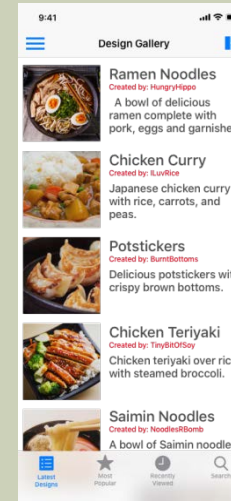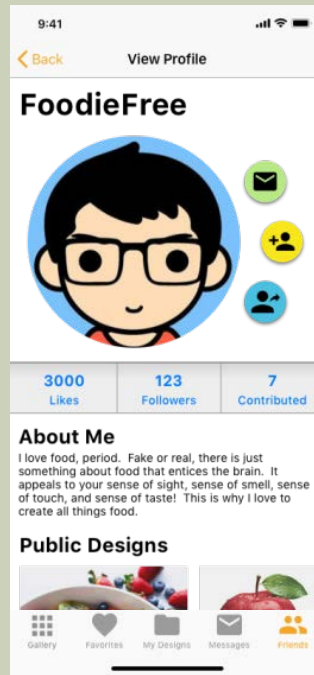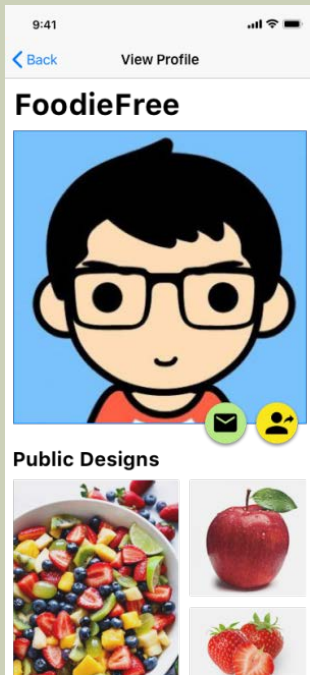
FEEDBACK ROUND 3

■ Add title and rating to images

FEEDBACK ROUND 3

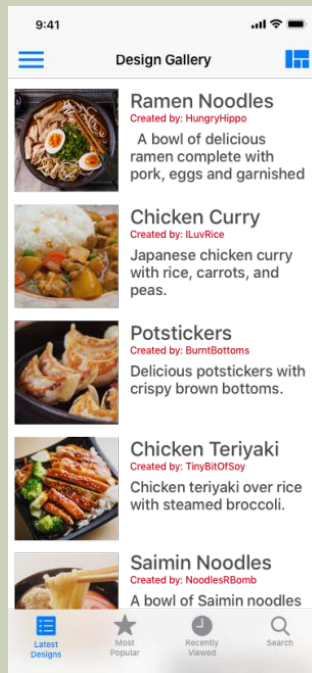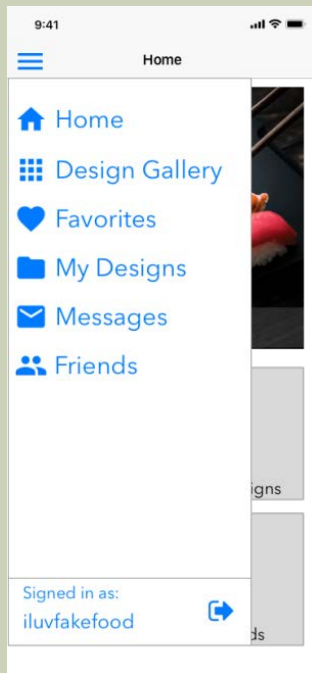- Change colors from native to app branded colors
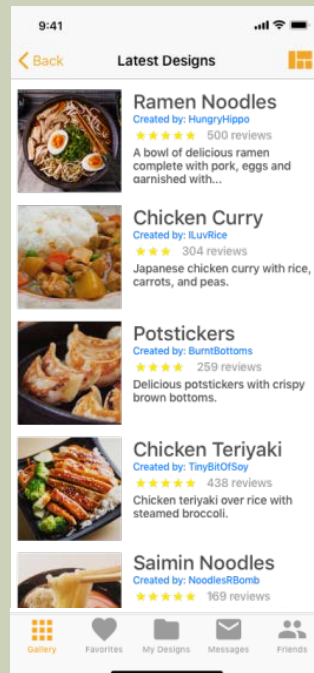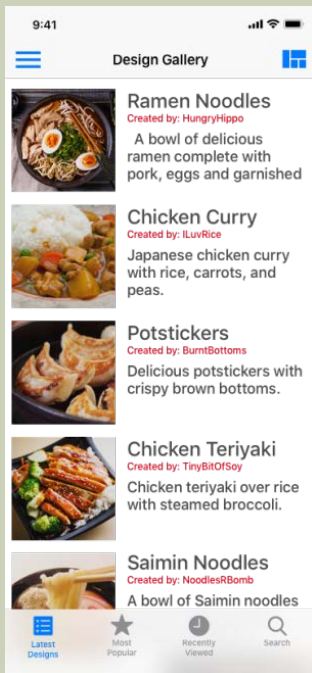
FEEDBACK ROUND 3

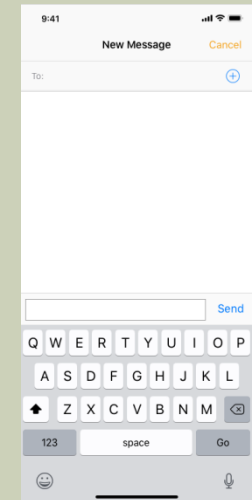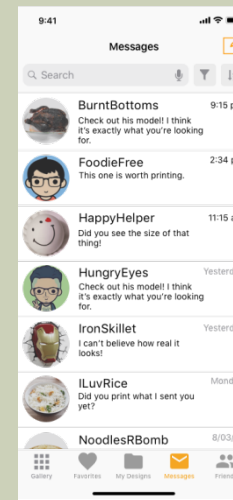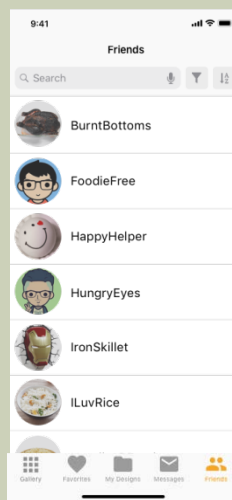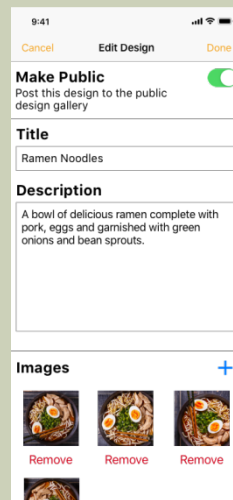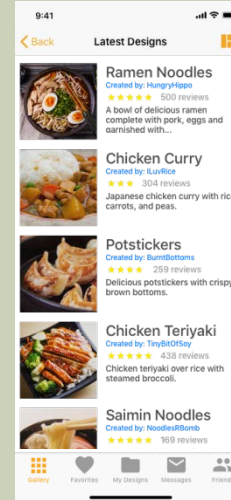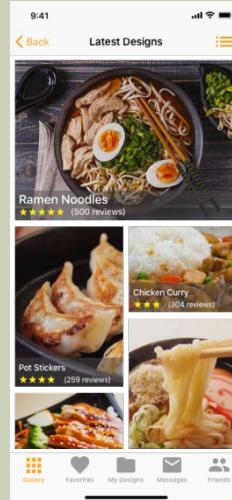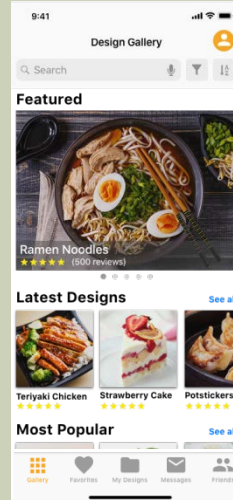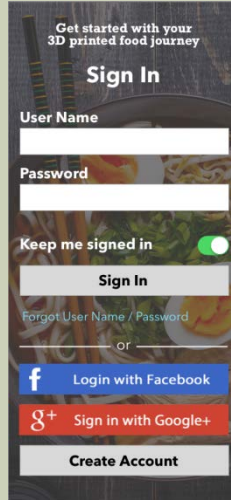- Add information to user profiles

FEEDBACK ROUND 3

- Change the navigation style from top menu to tabbed
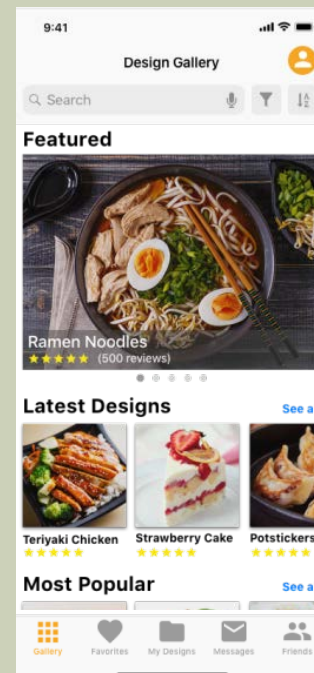
VISUAL DESIGN – FINAL

PROTOTYPE