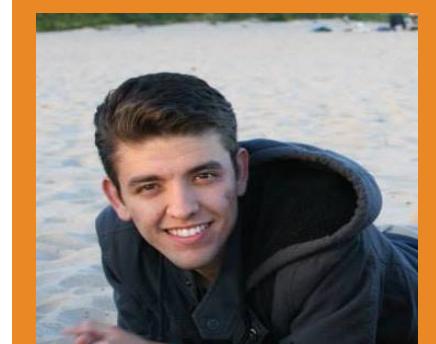


If a child can't **learn**  
the way ***we*** teach,  
maybe we should  
**teach** the way ***they***  
learn.

- Ignacio Estrada



Priyanka Rao



Gerardo Sanz



Ikechi Akujobi



Filippa Karrfelt

# Project Perfect

Team EduConnect  
Presenter: Priyanka Rao



# Problem

Teachers and students find it time-consuming and difficult to successfully create and complete class projects.

# Solution

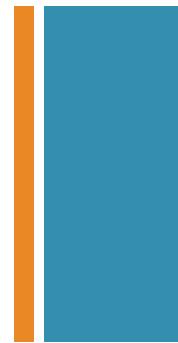
A tablet app that streamlines class projects from teacher creation to student submission





# Value Proposition

Painless class projects



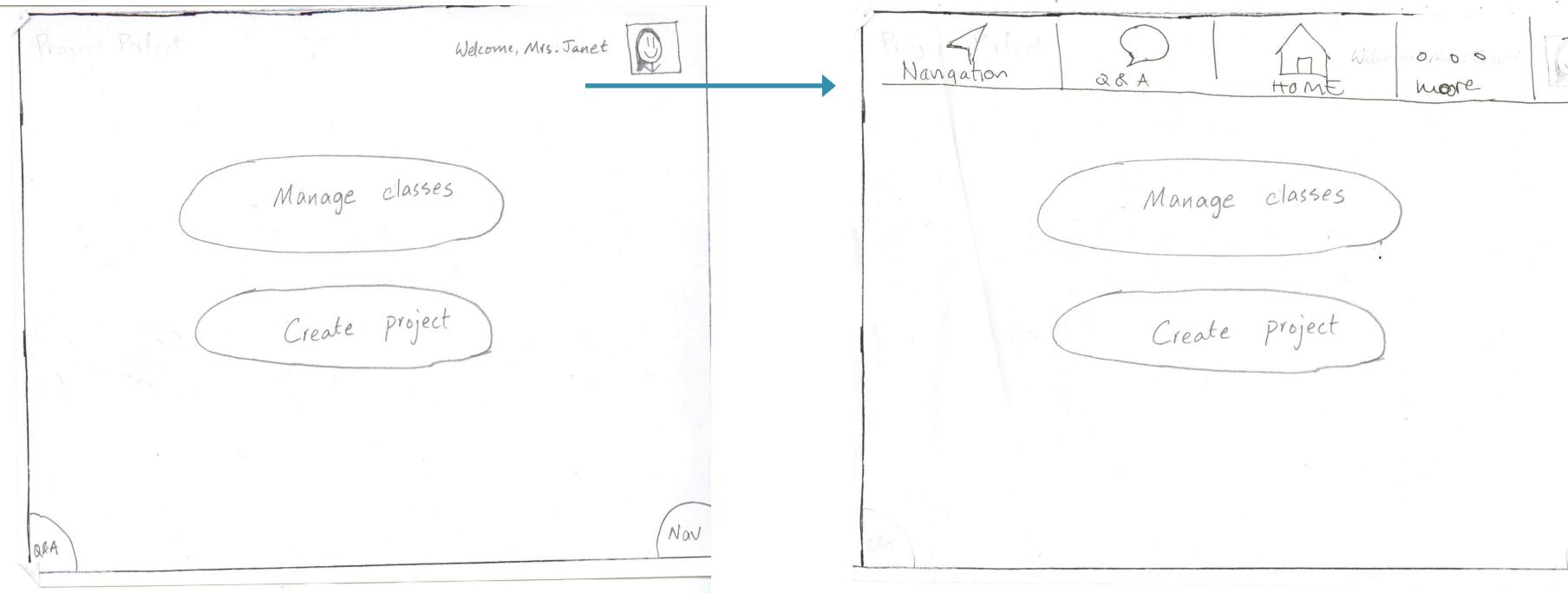
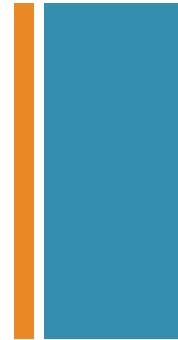


# Tasks

1. **Complex:** Teacher creates and assigns a class project with background info, a list of supplies, and instructions for students to follow.
2. **Medium:** Student works through project step-by-step and asks questions to teacher as needed.
3. **Simple:** Student submits completed class project to teacher for review.

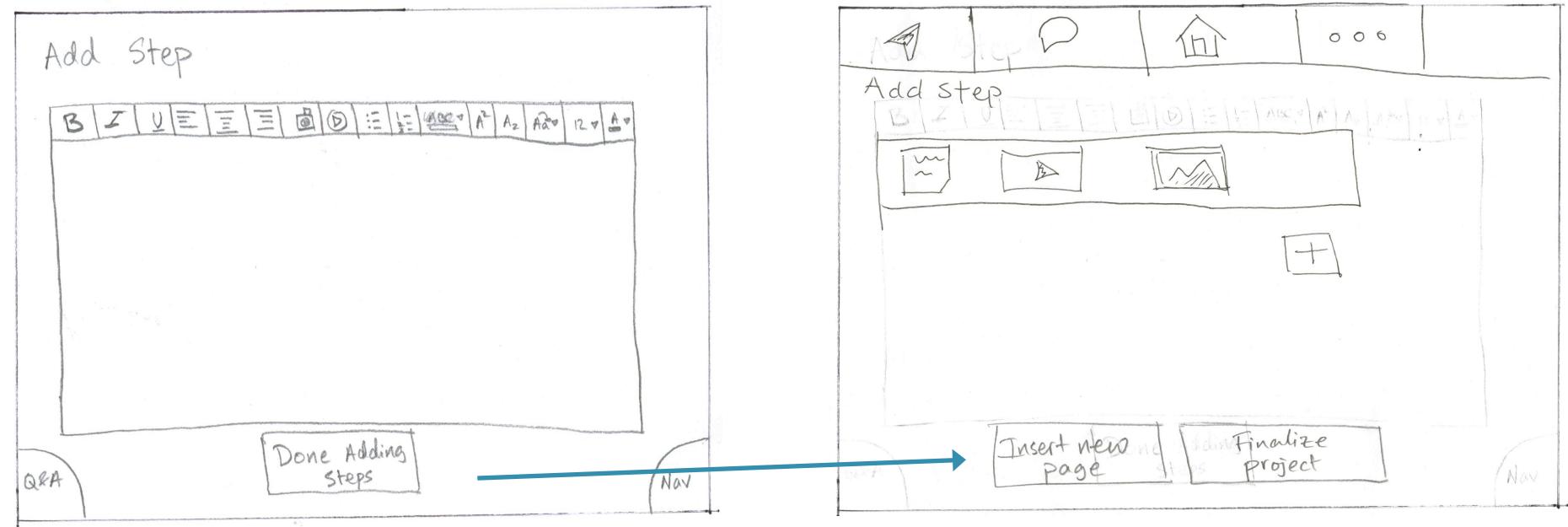


# Design Change #1 – Navigation Bar



Relocated Q/A & Nav Buttons

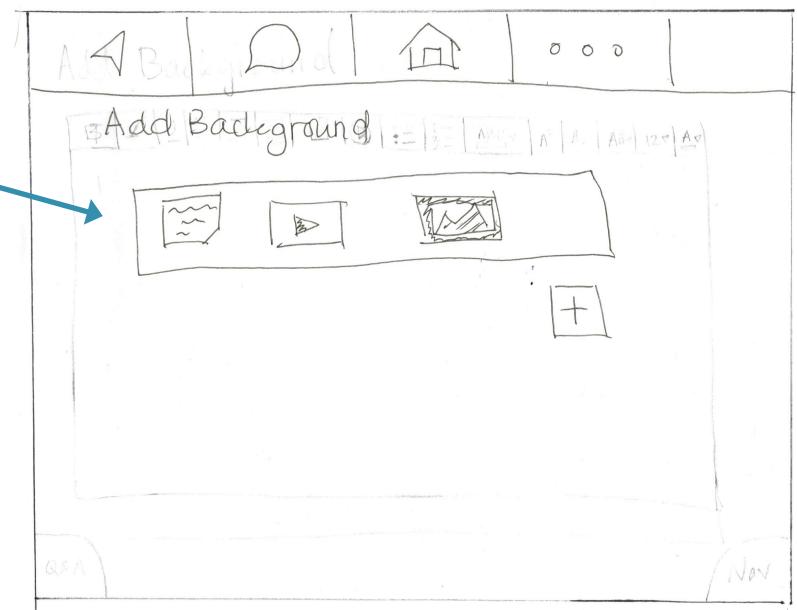
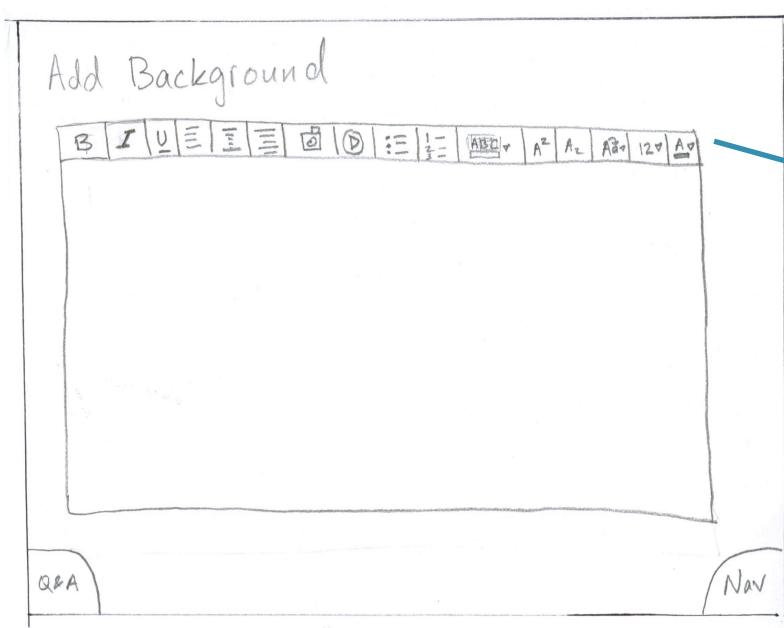
# + Design Change #2 – Creation of New Pages



Swiping vs. Tapping



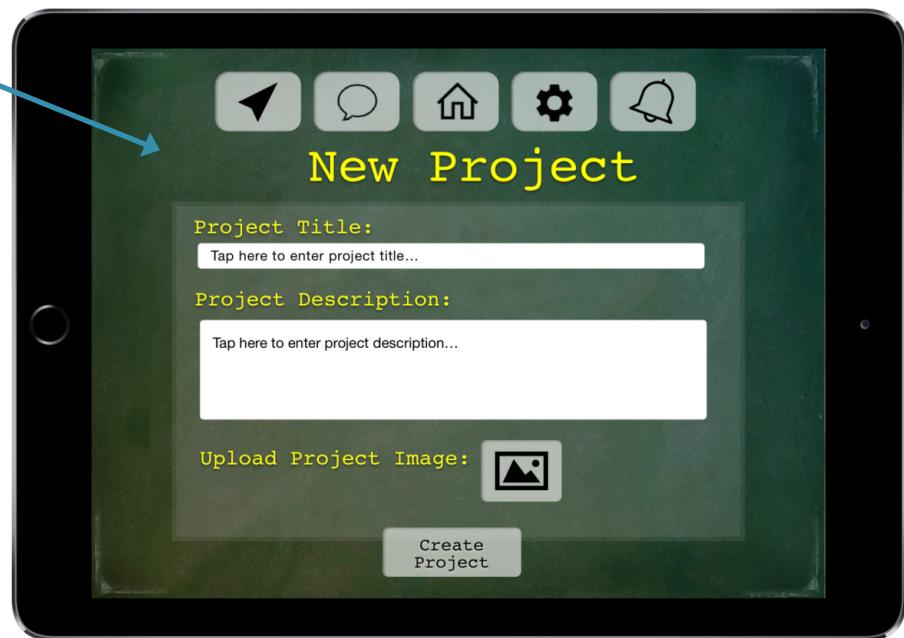
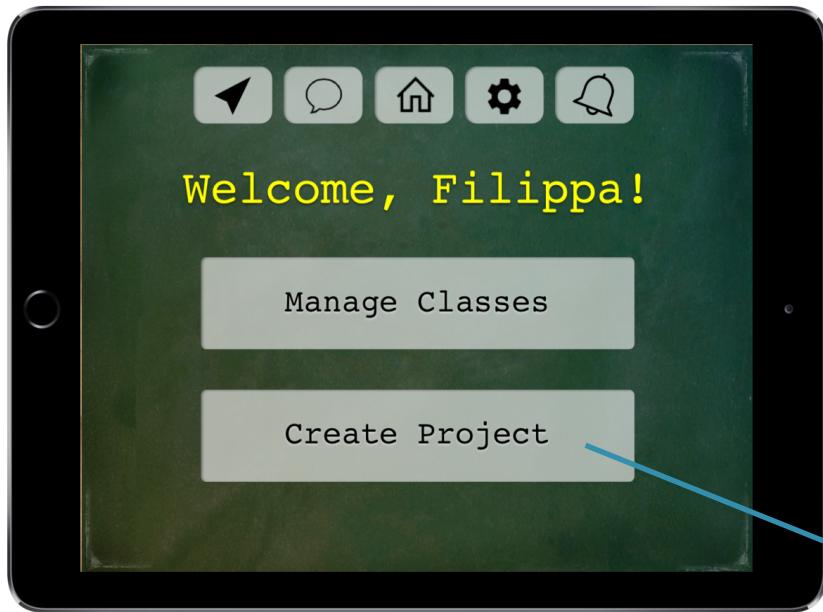
# Design Change #3 – Text Editing



Customization vs. Ease

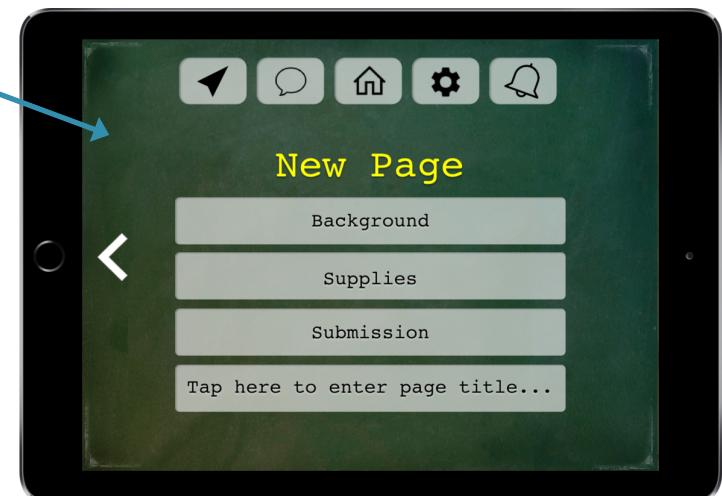


# Task Flow #1 – Creating a Project



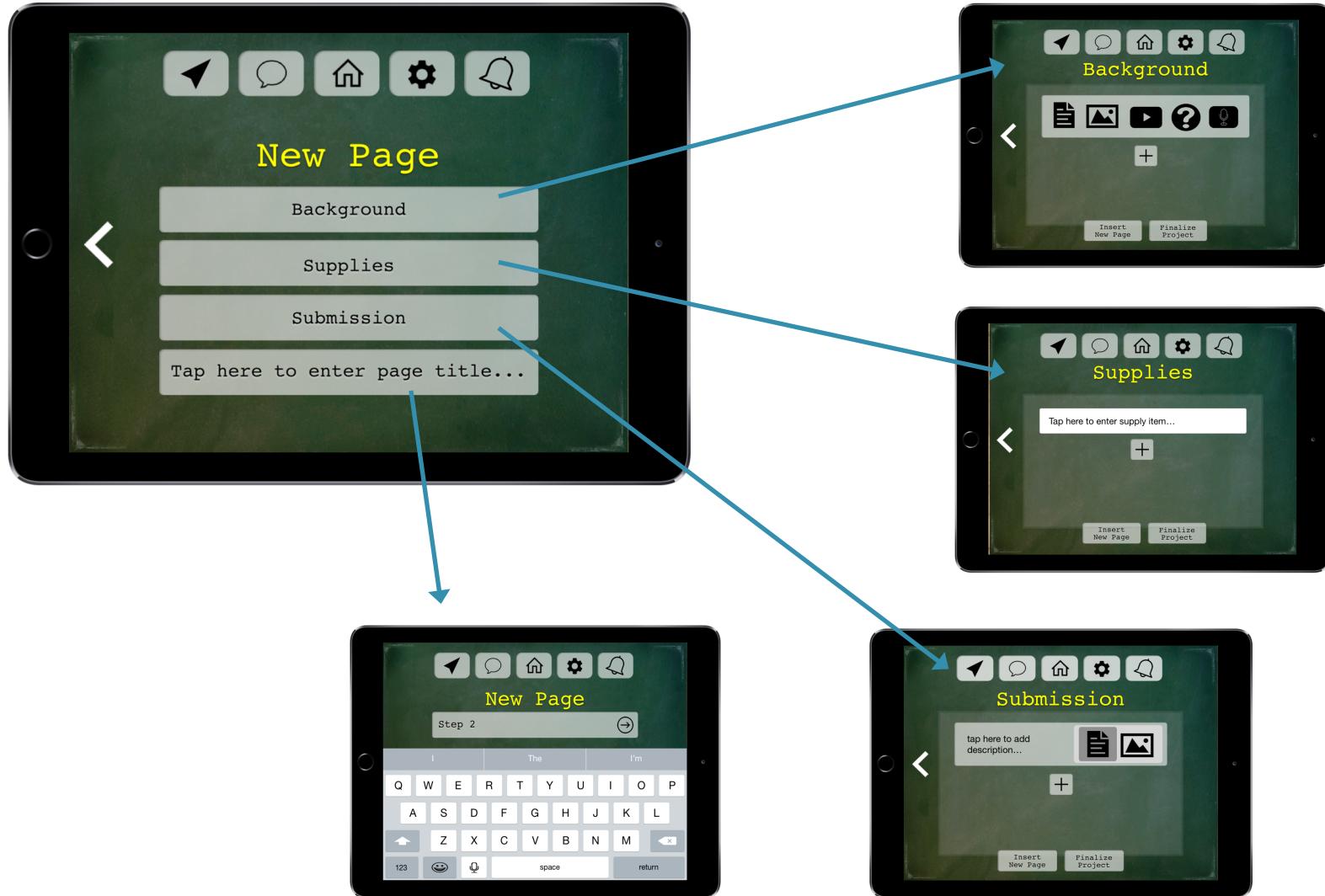


# Task Flow #1 – Creating a Project



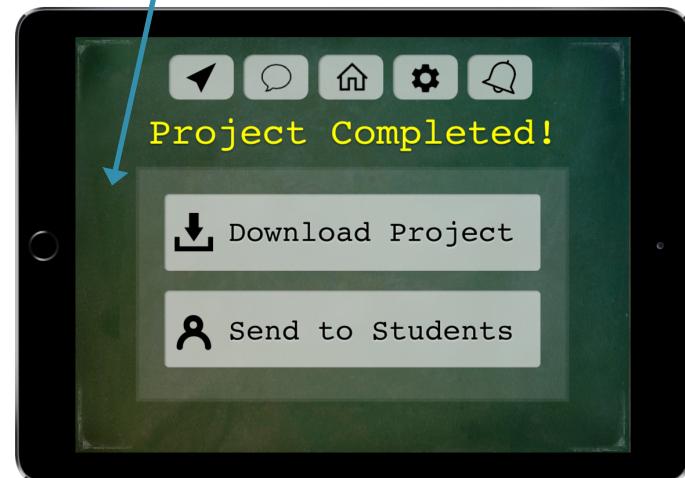
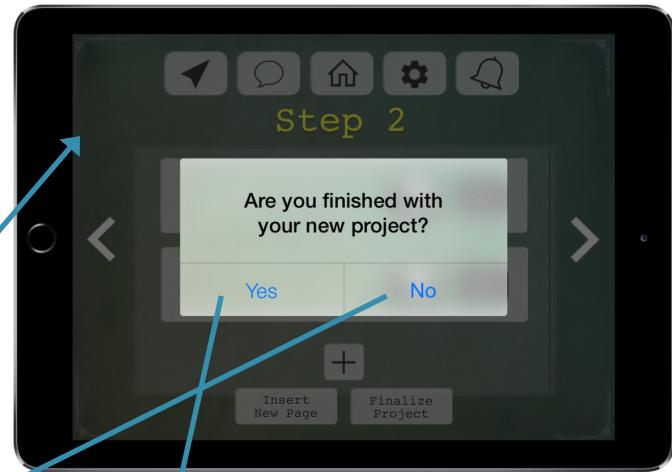
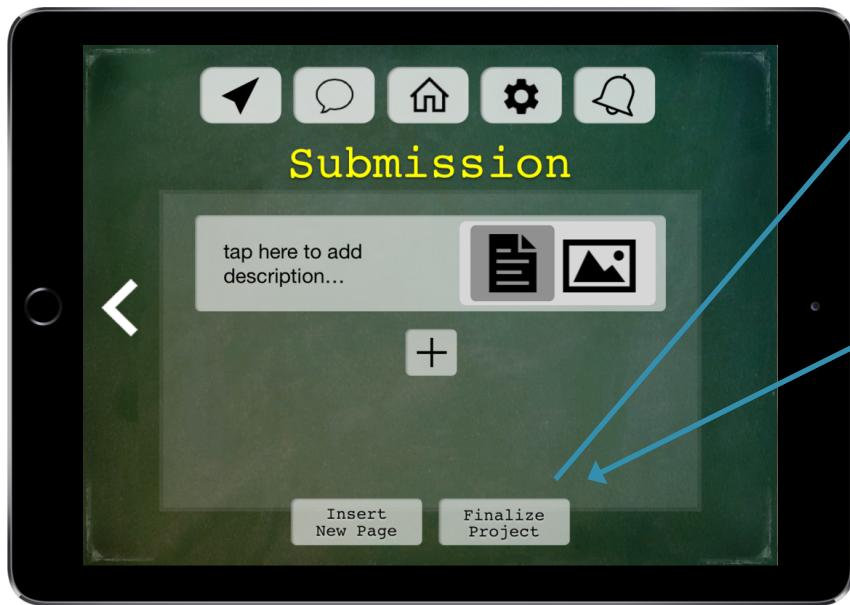


# Task Flow #1 – Creating a Project



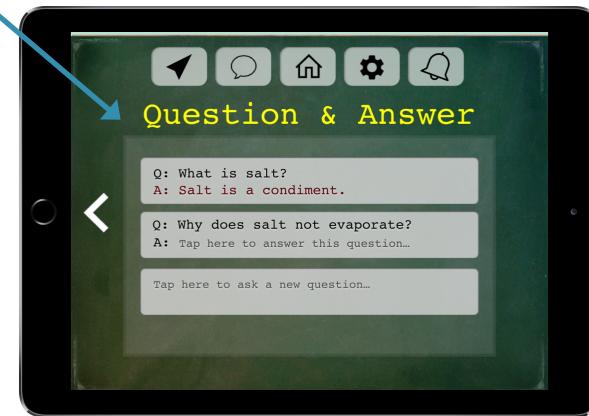
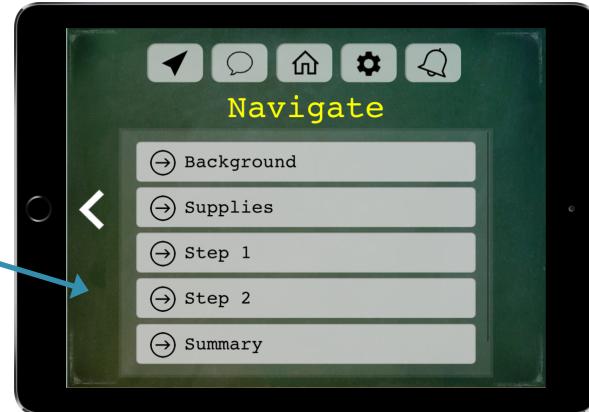
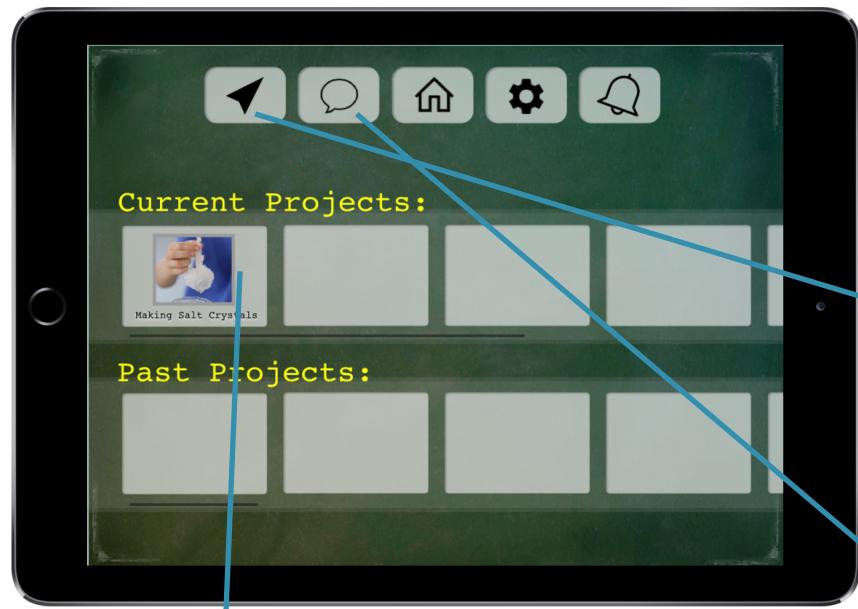


# Task Flow #1 – Creating a Project





# Task Flow #2 – Doing a Project





# Task Flow #2 – Doing a Project

Making Salt Crystals

Background  
Supplies  
Step 1: Dissolve  
Step 2: Dry  
Summary  
Submit

Have you ever wanted to learn how to make salt crystals on your own? Well here's your chance!

Salt dissolves in water.  
Bla bla bla bal balb alba alsdfasldk asdlfajksflaskjdfjakjsd



Background

Salt and water are everywhere! Tap the video to the right to learn more about salt crystals.

Salt dissolves in water.  
Bla bla bla bal balb alba alsdfasldk asdlfajksflaskjdfjakjsd

Supplies

Water  
 Salt



Summary

Salt and water are everywhere! Tap the video to the right to learn more about salt crystals.

You have created your own salt crystals. Admire their beauty. Observe their texture. Examine their sharp angles.

Submit

Upload image of project result:

Upload project writeup (optional):

Submit

Step 2: Dry

Place your large container with the salt and water in a warm sunny location. Wait 12 hours until all water dissolves.

Upload a picture of your progress!

Step 1: Dissolve

In this step, we will dissolve salt into water.

Add 100ml of water into your large container.

Use spoon to mix salt in.

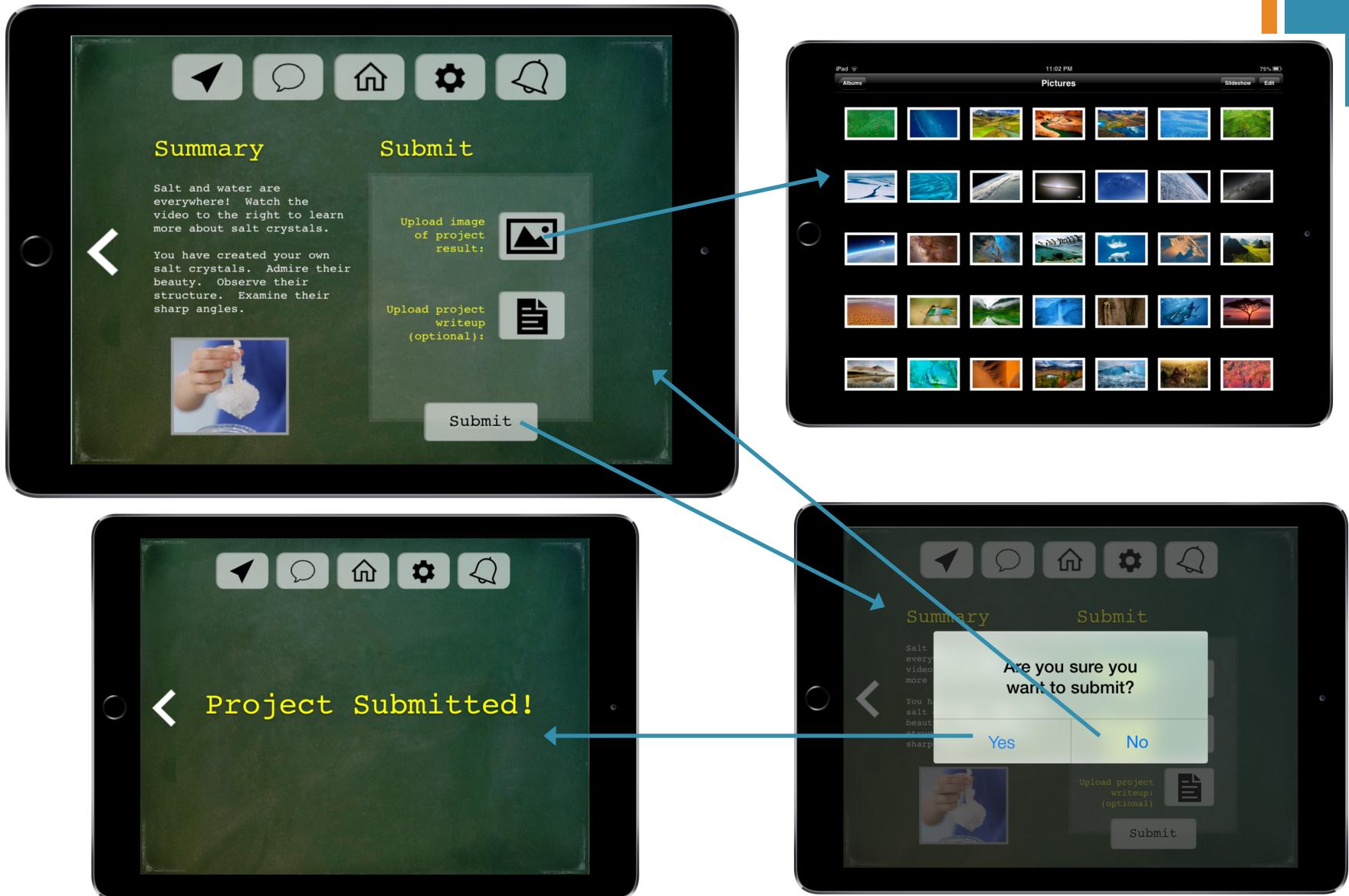
Essential Question

Why does salt dissolve in water?  
At: Tap here to enter your answer...





# Task Flow #3 –Submitting a Project





# Prototype Tool: Sketch

## How it helped

- Graphical interface
- Easy to duplicate pages
- Made us think about feasibility
- Ex. Review page for submission

## How it did not help

- Huge learning curve
- Bad AI?
- Duplicating vs. copying pages
- Hard to implement dynamic features
- Ex. Going back



# Prototype Overview

## ■ Tradeoffs

- Feasibility vs. usefulness
- Student pages vs. teacher pages
- Simplicity of task vs. simplicity of implementation

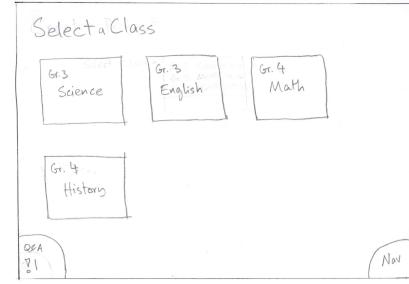




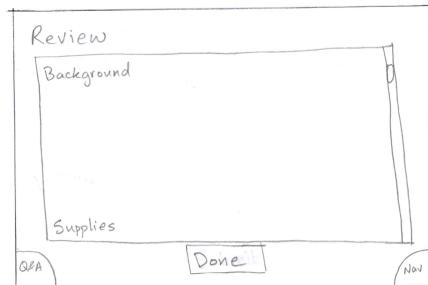
# Prototype Overview

## ■ Omitted

### ■ Select class page



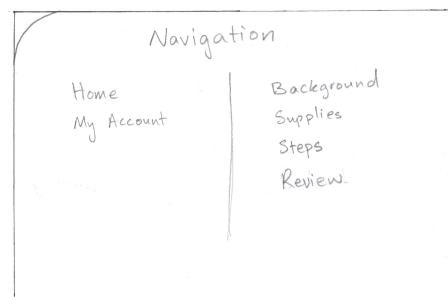
### ■ Review of submission page



### ■ Browse existing projects page



### ■ Navigation for teacher





# Prototype Overview

- Wizard of Oz techniques
  - Duplicated many screens
  - Abstracted away some of the project creation

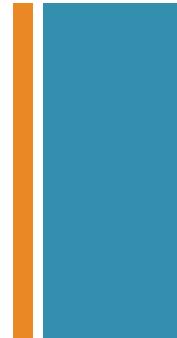


- Hand-coded
  - Made up project for student
  - Project creation page
    - Uploading text
    - Uploading images





# Thank You!



# Medium-Fi Prototype Link

<https://marvelapp.com/b2jh55>