Product Backlog

A complete list of all functionality (i.e., the actions) of your project, and an English description of each action. We strongly suggest that you organize these features into groups/modules based on related functionality.

Login - (OAuth)
- Because drawings are (supposed to be) private to each user, we will need to implement some form of authentication and login.

Pixel Art Creation - (new technology)
- A canvas to create pixel art. This canvas should have 1) painting brush, 2) eraser & erase all, 3) filling color, 4) color palette

Social Feed
- when the art is completed, the user can post it on the social feed. Other users will be able to see it, like, and make comments.

Export - (new technology)
- able to export artwork as png or send it to somewhere else separately

Save Draft Feature (maybe stretch goal)
- keep track of progress of artwork and save it with the account associated/currently logged in as.

Pixelate imported images (Stretch Goal)
- user can insert image and have the web app automatically pixelate the image, would be able to post and share it normally as an artwork as well (cites the original image link)

Sprint 1 Backlog - Owner: Wonho Kang, wkang1

A complete list of the functionality you will complete during your first sprint, and how that work is allocated among your team members.

- Wireframes - Wonho, Evelyn
- HTML mockups - Wonho
    - Social Feed
    - My Profile page
- Button Interaction - Wonho
    - Buttons leading to MyProfile, Pixel art creation
    - Buttons going back to Social Feed
- Basic Pixel Art Page - Evelyn
    - Creating a canvas
    - Draw, erase/earse all, fill, color palette
- Project Specification - Wonho, Evelyn
- Sprint 1 presentation slides **-** Wonho

Data Modules

```python
from django.db import models
from django.contrib.auth.models import User

class Entry(models.Model):
    title = models.CharField(max_length=200)
    user = models.ForeignKey(User, default=None,
on_delete=models.PROTECT)
    text = models.CharField(max_length=200)
    art = models.ManyToManyField(Art, blank=True)
    created = models.DateTimeField()
    def __str__(self):
        return "Entry(id=" + str(self.id) + ")"
```
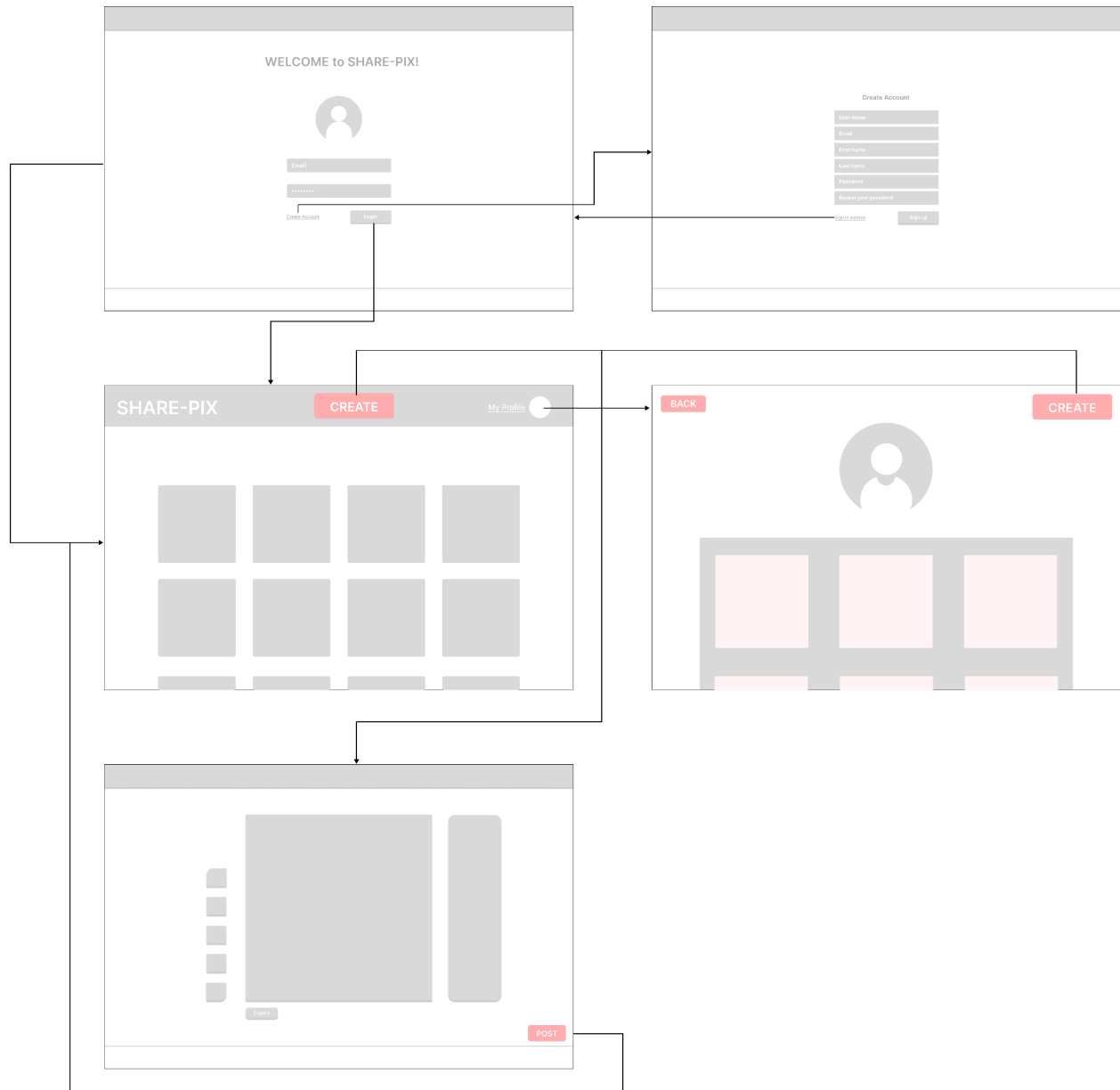
An Entry stores information about the artwork the user created
- Title - a string briefly explains what the artwork is about
- User - the corresponding user that made this art
- Text - something the user wants to say about the art
- Art - an array that stores color information of each pixel on an 32x32 canvas
- Created - creation date

Wireframes

Overall Wireframe

WELCOME to SHARE-PIX!

Email

Create Account   Login

Create Account

User Name
Email
First Name
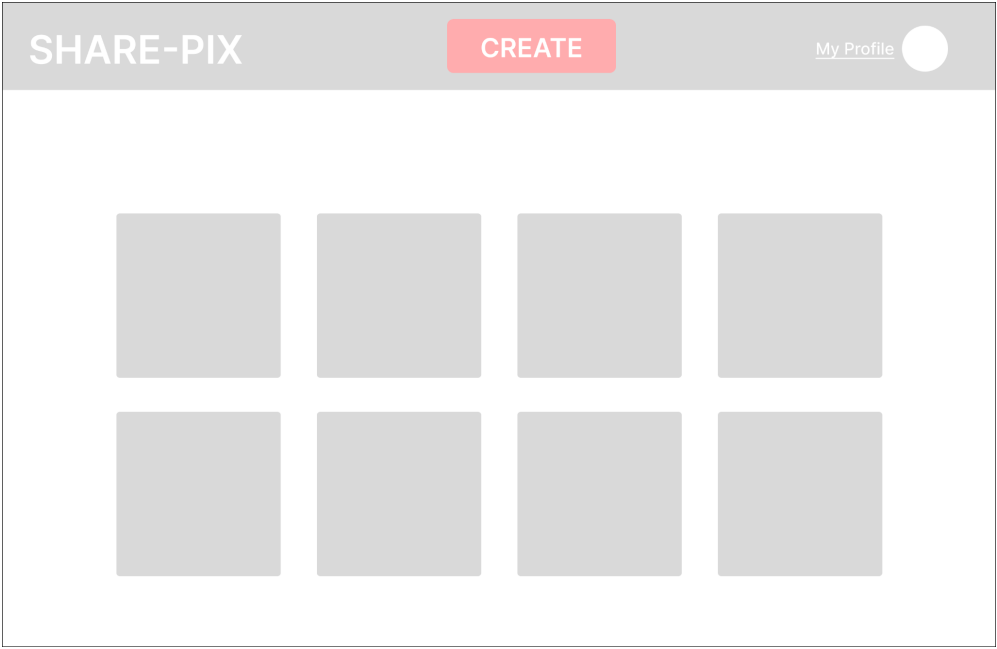Last Name
Password
Repeat your password

Log in instead   Sign up

SHARE-PIX   CREATE   My Profile

BACK   CREATE

Export   POST

LOGIN PAGE

WELCOME to SHARE-PIX!

Email

••••••••

Login

REGISTRATION

Create Account

User Name

Email

First Name

Last Name

Password

Repeat your password

Sign in instead   Sign up

SOCIAL FEED

SHARE-PIX

CREATE

My Profile

Pixel Art Creation Page

Export

POST