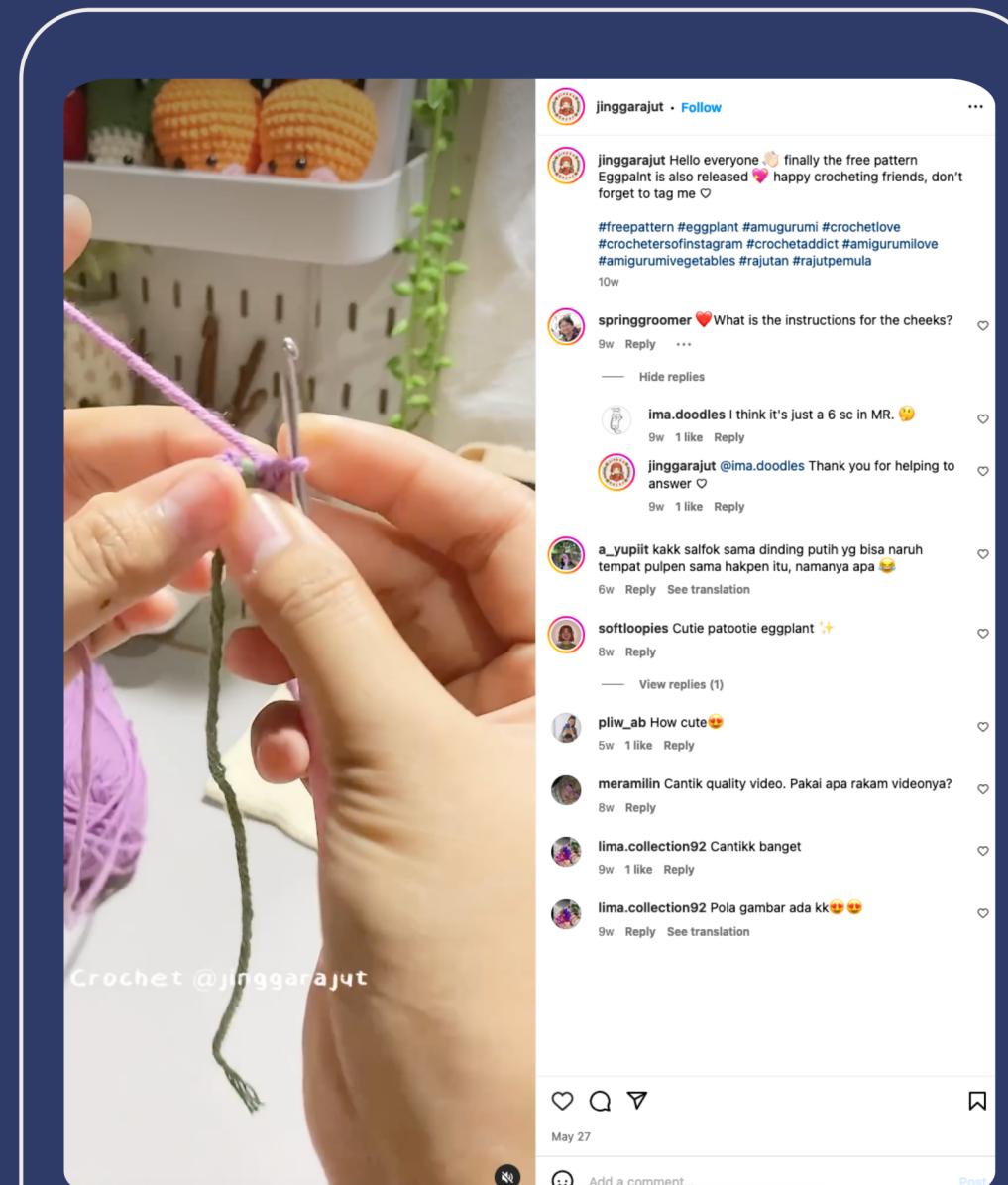


gitCraft

share your creativity

Shrabani Sen, Lulu Sun,
Shanmuga Ganesh Thiruppatty,
Lokesh Poluru Velayudham, Andrew Ziets

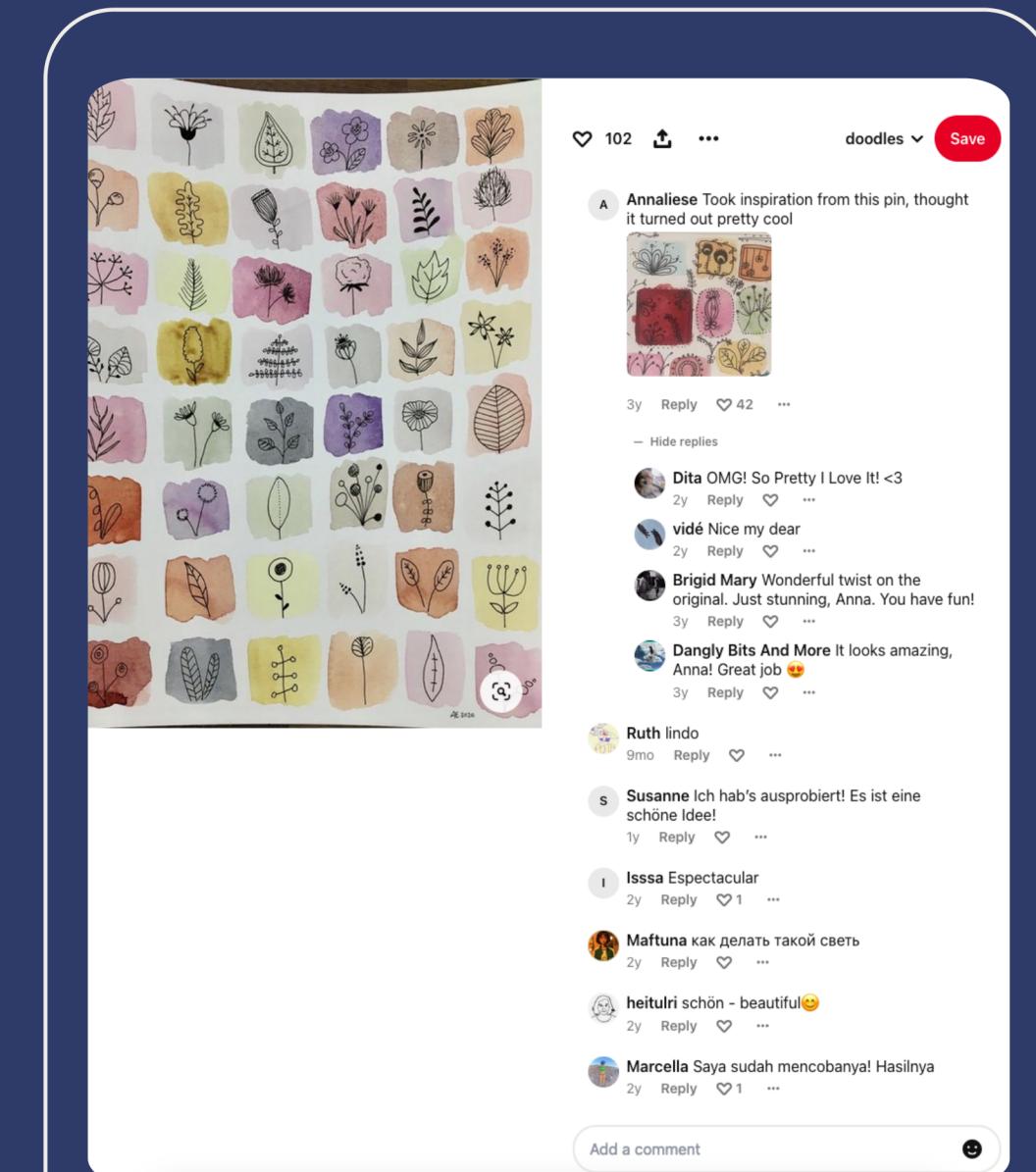
CREATIVE LIMITATIONS ONLINE



INSTAGRAM

Hard for users to find out details about a project. Usually, Instagram posts are not made to walk someone through a project.

5K 5K 5K



PINTEREST

When users share their own twist, they won't get an opportunity to add a longer description of how they created it

5K 5K 5K

GITCRAFT: OVERVIEW

gitCraft is a central location for creators to share their projects & inspire others.

Anyone can save a project to their private collection (fork), try it on their own, and share their results.

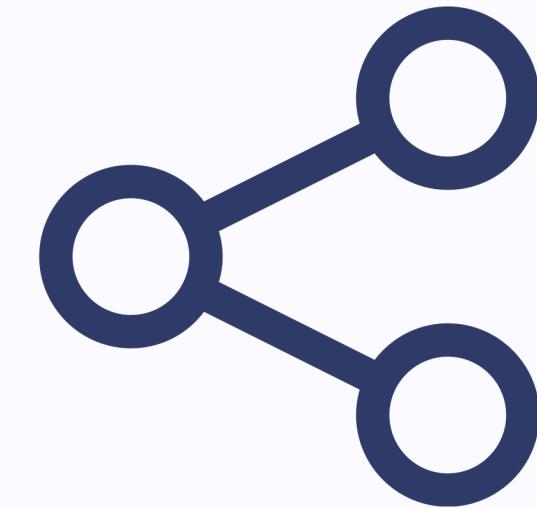
Features



**COMMUNITY
FEED**



**PRIVATE
COLLECTION**



**FORK A
PROJECT**

CREATE A POST

POST STRUCTURE:

1. Title
2. Description
3. Image

OPTIONS:

1. Publish as a publicly viewable post
2. Save as a draft in private collection
3. Close without saving

Create Post



Title* Easy Stripe Pullover 

Description*

Materials:

- Yarn – [WeCrochet Andean Treasure – Sport / Fine \(2\), 100m/50g, 110yds/1.75oz, 100% Baby Alpaca](https://shrls.com/2l3y9) (<https://shrls.com/2l3y9>)
- 5.5mm (US H) Crochet Hook (<https://amzn.to/2JGVGTD>)
- 6mm (US J) Crochet Hook (<https://amzn.to/2YXo8X3>) 
- Darning Needle (<https://amzn.to/2ZoB2wT>)
- Scissors (<https://amzn.to/2L90kbF>)
- 2 Stitch Markers

Linen Crochet Stitch Pattern:
FOUNDATION CHAIN: Chain an even number of chains. 

Close  **Draft**   **Post**

COMMUNITY FEED

Publicly posted content will be available for the entire community to see.

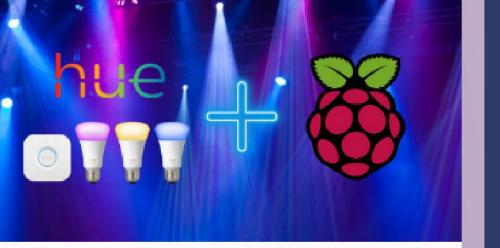
Users can scroll through the feed and click on each post to view more details.

gitCraft

① Community — ② My Public — ③ My Private

Easy stripe pullover
Author: Eri Chao

Materials: Yarn – WeCrochet Andean...
1 Aug 6, 2024, 1:02:02 AM

Beginner raspberry pi project
Author: Eri Chao

If you don't have a Philips Hue pac...
2 Aug 6, 2024, 1:02:02 AM

Make piñata at home
Author: Eri Chao

Materials: 1 cup Flour 1....
3 Aug 6, 2024, 1:02:02 AM

Diorama in a shoebox
Author: Eri Chao

Materials: A base, such as a s...
4 Aug 6, 2024, 1:02:02 AM

Learn to watercolor
Author: Eri Chao


View Post 

Title*
Beginner Raspberry Pi Project 

Description*
Amazon).
<https://www.amazon.com/dp/B0167H33DU?tag=rpitips-20>
- And finally, the starter kit with color capacity (check the price on Amazon). <https://www.amazon.com/dp/B07D1J5QC7?tag=rpitips-20>

My brother gave me the first two packs for my birthday years ago, and I've been using them ever since. It's a bit expensive (if not gifted!), but worth it. All the lights are still working after 10 years of use, and I'm happy with them.

All the packages are compatible with Alexa and some include an Echo Dot.

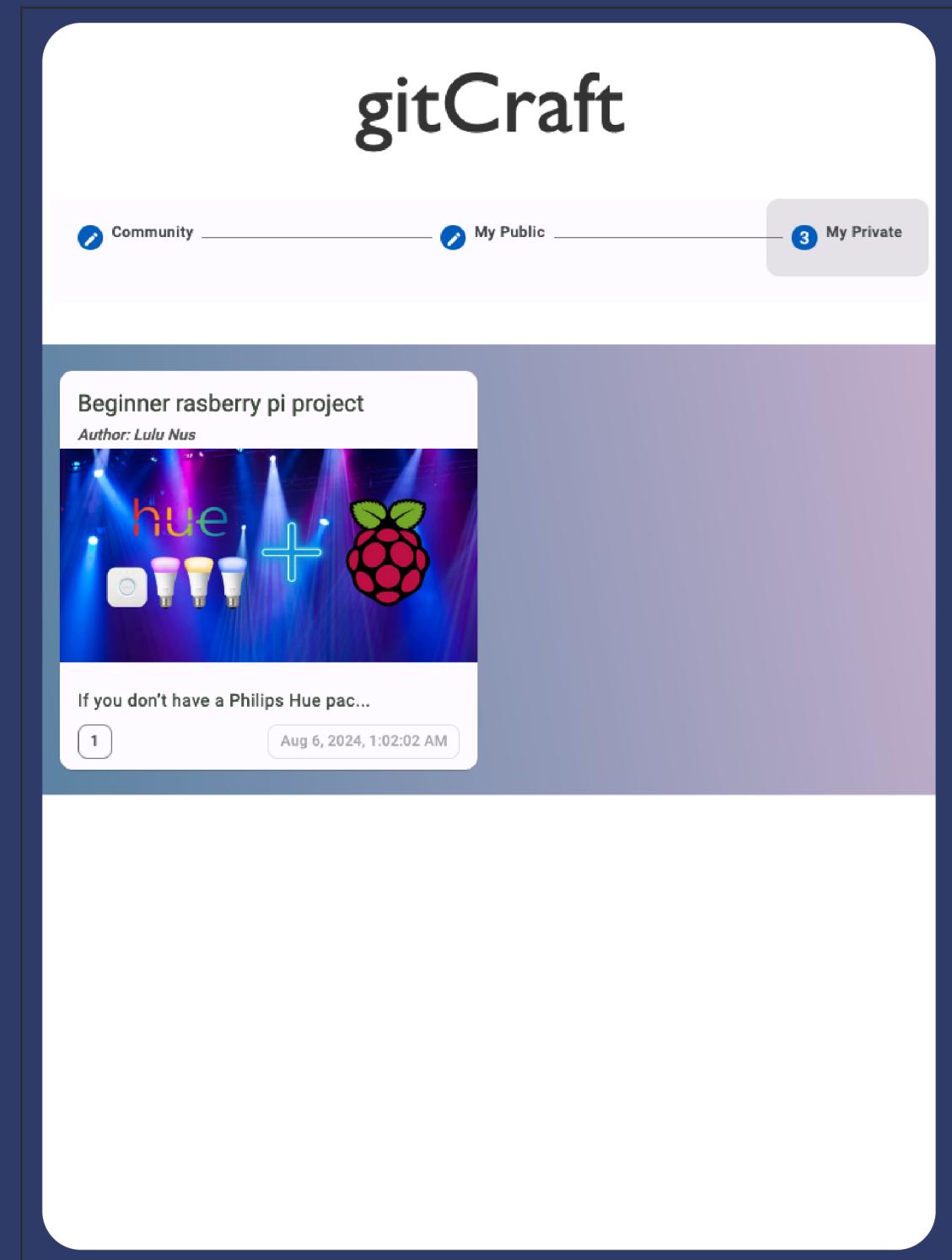
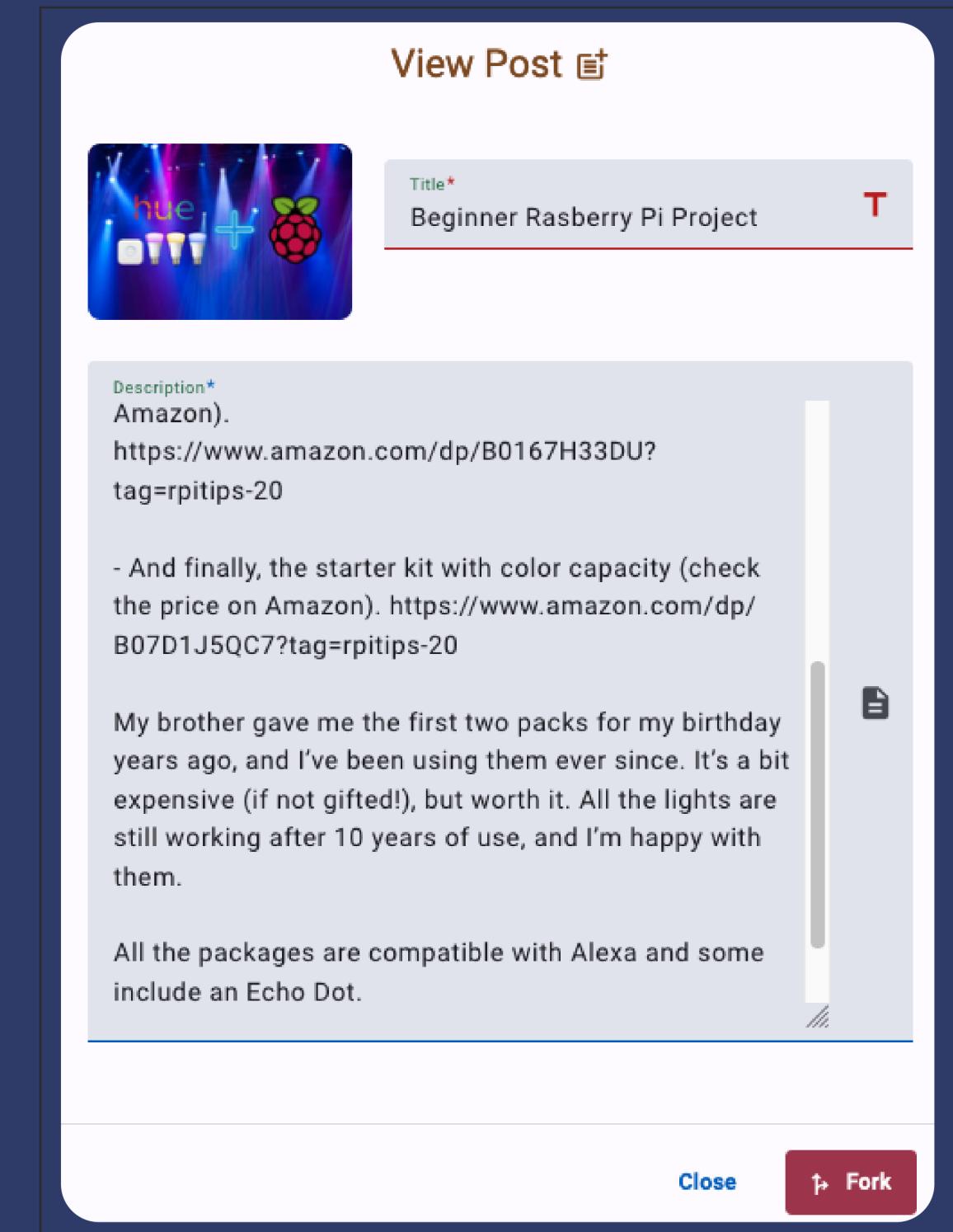
Close 

FORK

- Make a copy of the original post
- Freely experiment with changes without affecting the original project
- Use someone else's project as a starting point for your own idea

(description borrowed from Github)

Save the post as a draft after forking, or edit immediately and post to the community feed.



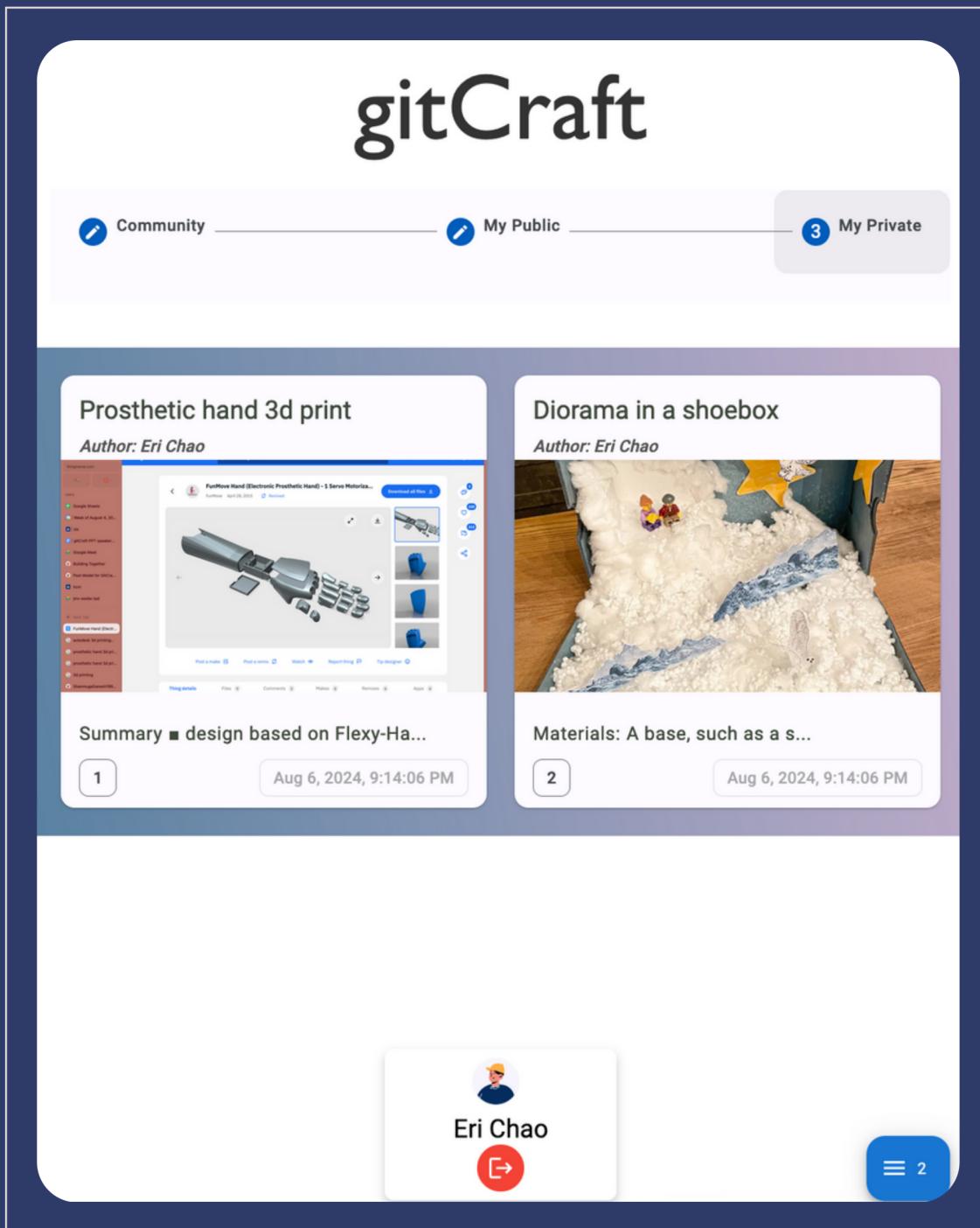
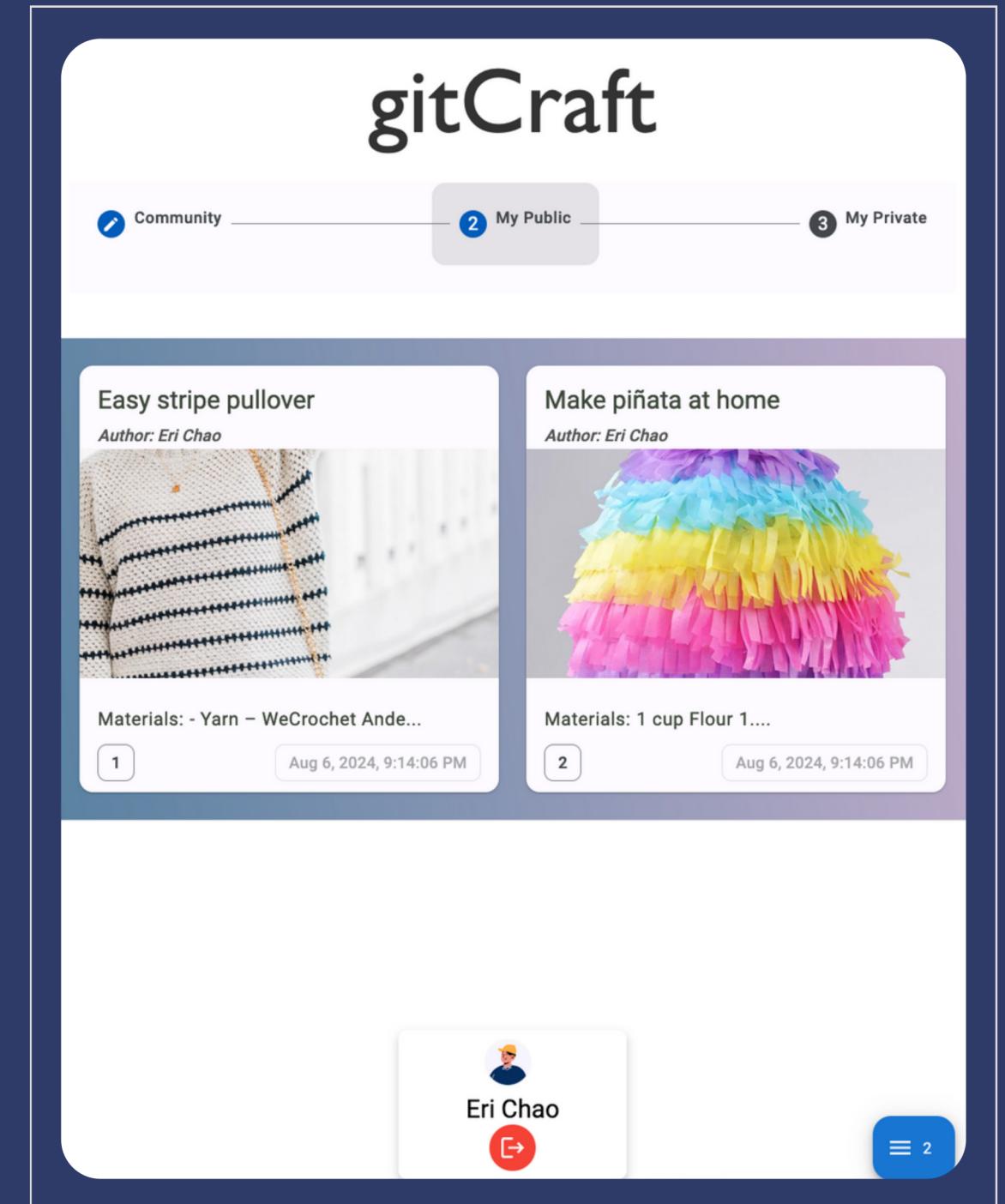
PUBLIC & PRIVATE VIEW

PUBLIC VIEW:

See all the posts published publicly by user. Edit or delete posts if needed.

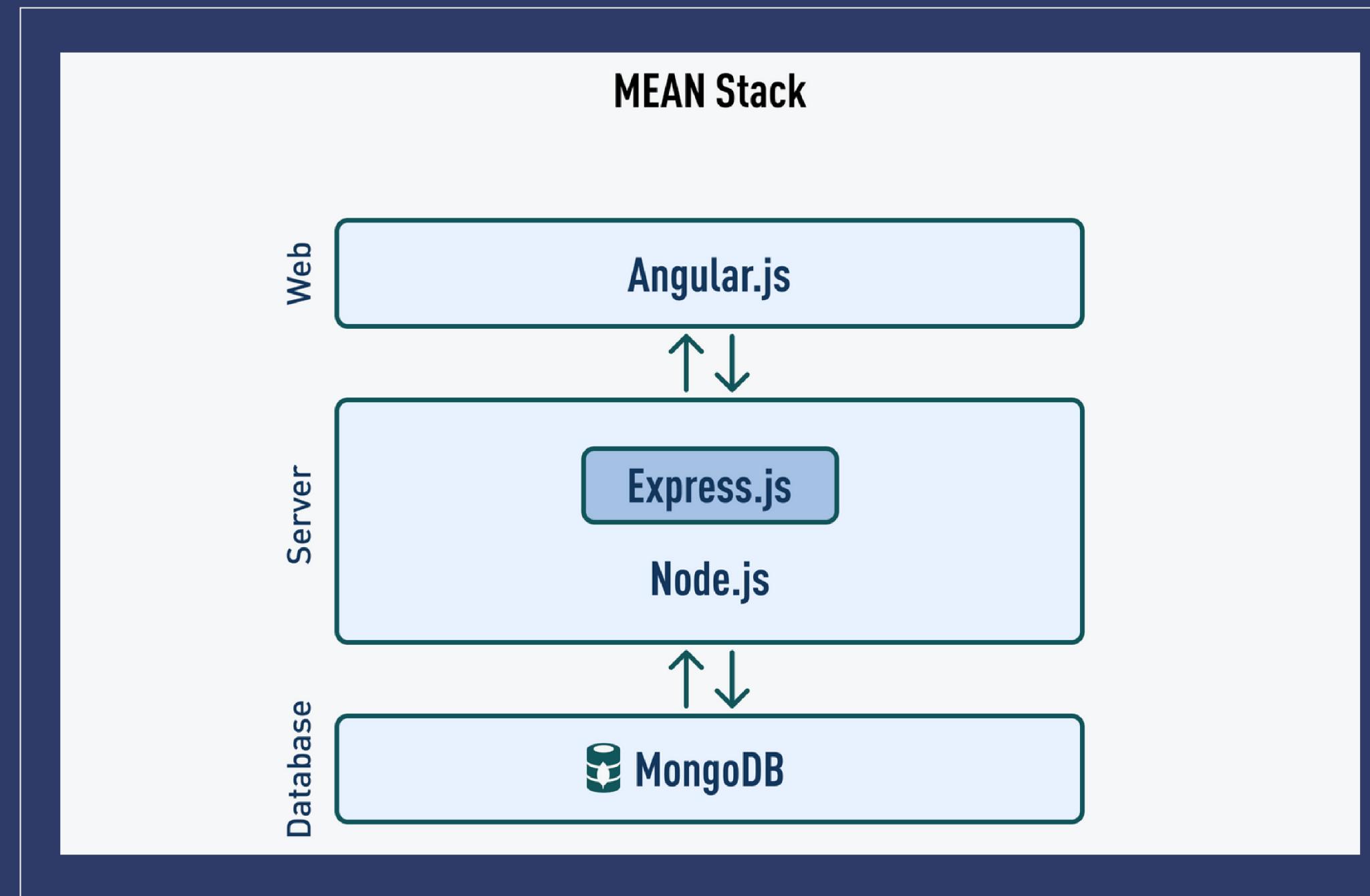
PRIVATE VIEW:

See all the drafts and forks from other users. Edit, publish, or delete drafts.



gitCraft Live Demonstration

TECH STACK

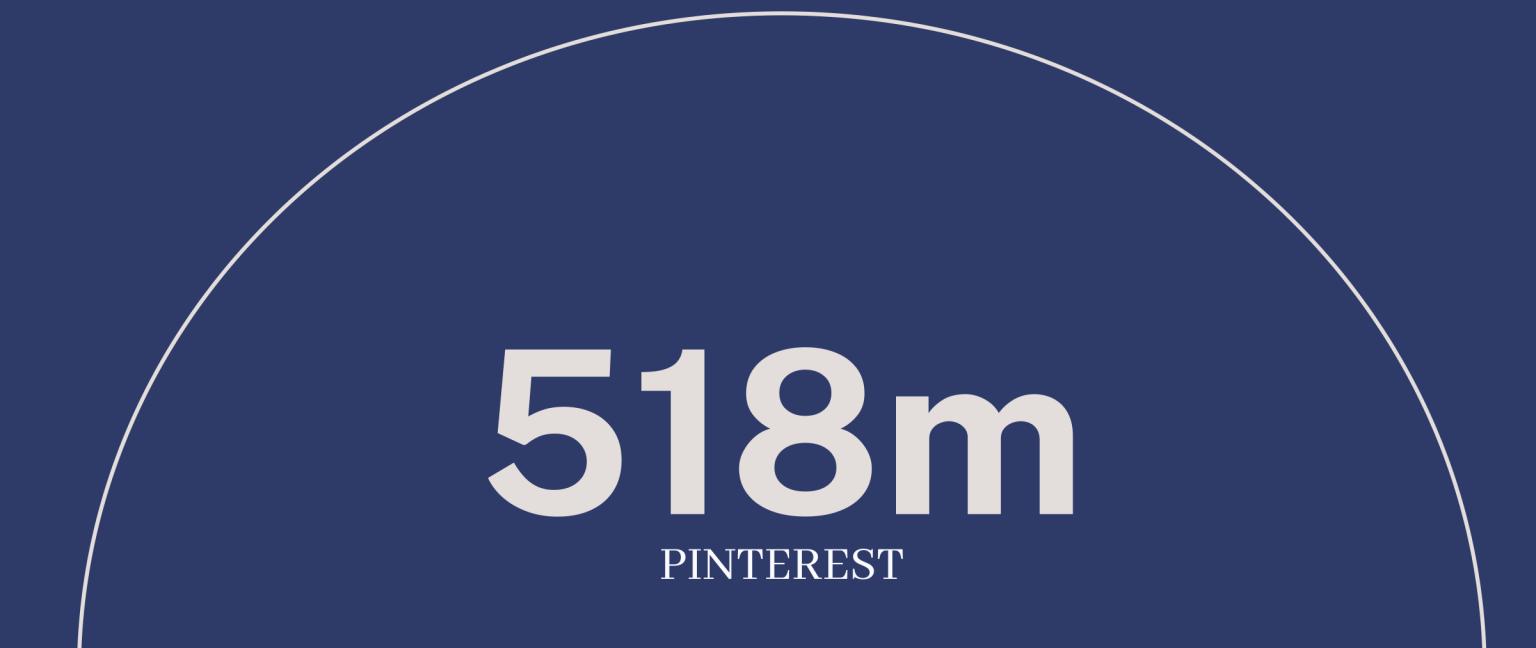


M A R K E T



2bn

INSTAGRAM



518m

PINTEREST

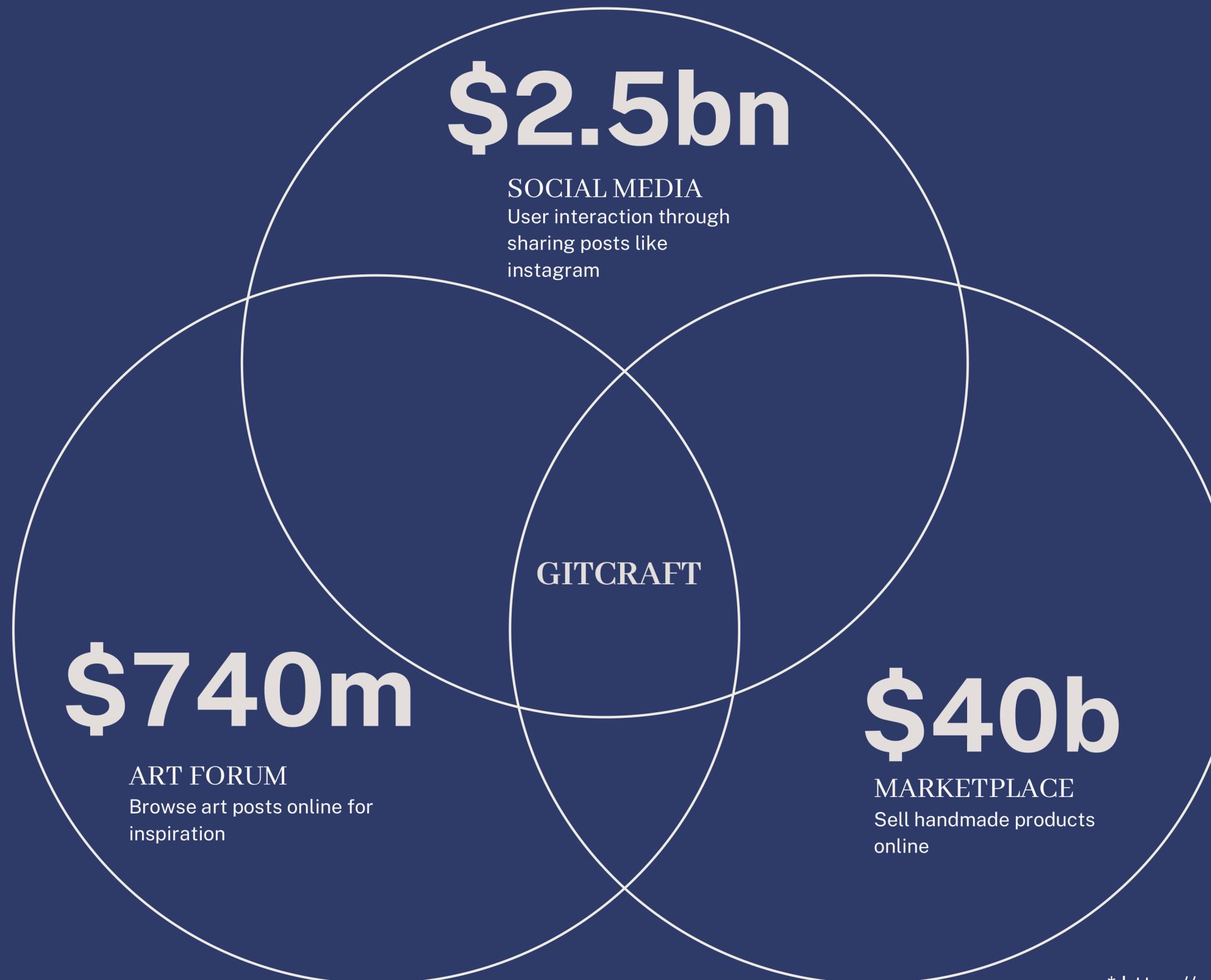
INSTAGRAM

One of the most popular social media applications to date. It boasts 2 billion monthly active users.

PINTEREST

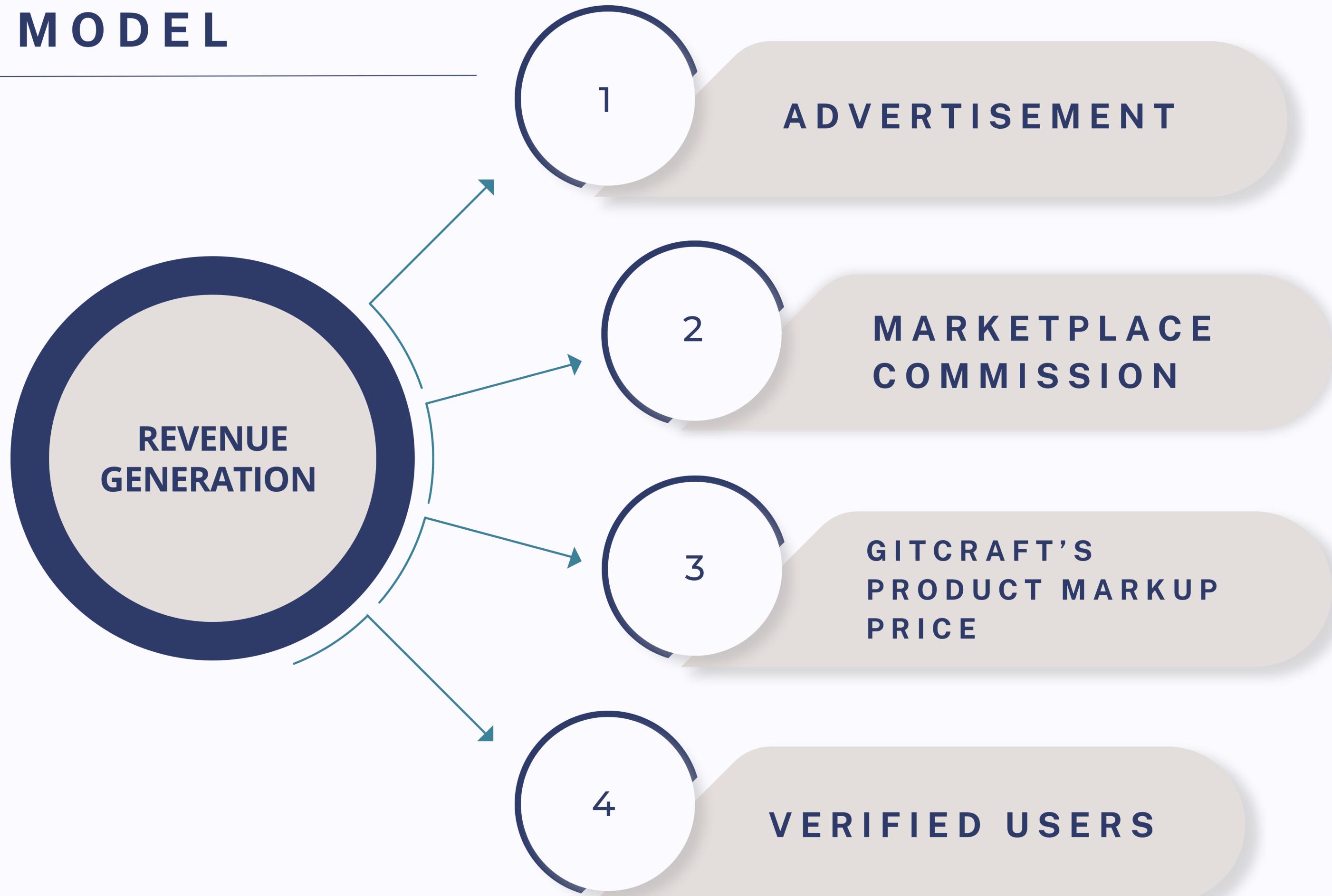
A popular hub for fashion and art, the first destination for those seeking new inspiration. It boasts 518 million monthly active users.

GITCRAFT MARKET SHARE



GITCRAFT
The intersection of connection,
inspiration, and marketplace!

BUSINESS MODEL



UNIT TESTING

Building Test Cases

Test cases...

- Corresponded with user stories' acceptance criteria
- Focused on functionality
- Did not account for extreme cases

Running Manual Tests

These tests were done on the program itself, instead of checking the code.

A series of input conditions were put in, and if the output matched the expected result, the test case was a success.

Results

Everything that was tested worked as expected.

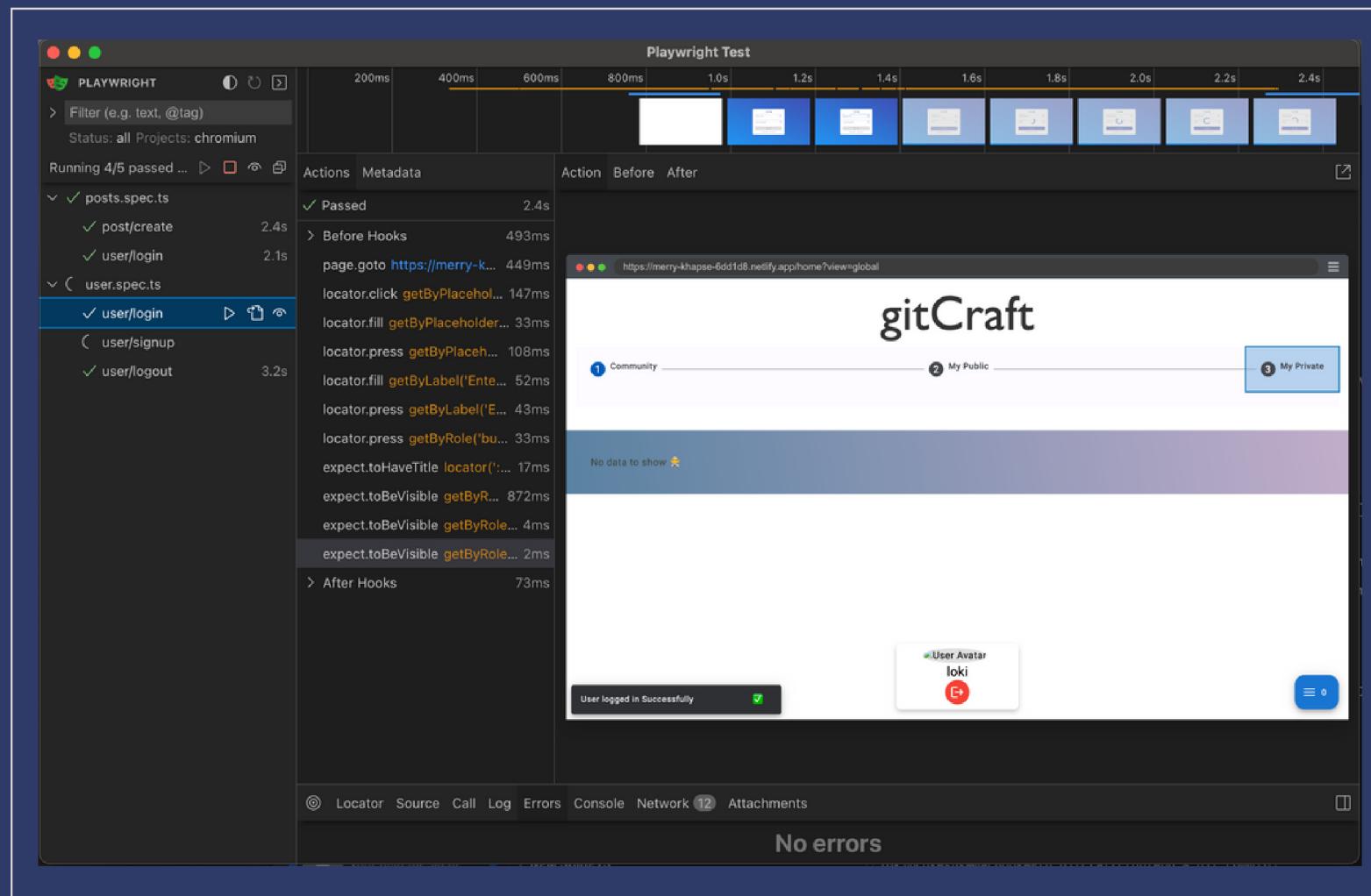
sl. no.	scenario description	test cases	pre-condition	steps to execute	expected result	actual result	status
1	create an account	1	user should be on the login/sign up page	input name input email id which should contain '@' and '.' the email is never registered before input a password which should contain minimum 8 characters	Successfully create a user Send OTP Verification	matched	valid

CONTINUOUS DEPLOYMENT

REGRESSION TESTING

Playwright:

Playwright is an automated test framework and code coverage measurement. Users can write test cases for testing the UI and functionality of the application. The language used was TypeScript and it is compatible with Node.js.



DEPLOYMENT

Netlify:

Netlify extracts data from GitHub and continuously deploys whatever we push into our production environment.

8/2/2024, 11:09:17 PM Total time: 39.8s		
✓ user.spec.ts		
✗ user/signup chromium	30.0s	user.spec.ts:20
✗ user/signup firefox	30.0s	user.spec.ts:20
✗ user/signup webkit	30.0s	user.spec.ts:20
✓ user/login chromium	2.0s	user.spec.ts:4
✓ user/logout chromium	3.2s	user.spec.ts:37
✓ user/login firefox	2.5s	user.spec.ts:4
✓ user/logout firefox	2.5s	user.spec.ts:37
✓ user/login webkit	1.6s	user.spec.ts:4
✓ user/logout webkit	2.4s	user.spec.ts:37
✗ posts.spec.ts		
✓ post/create chromium	2.6s	posts.spec.ts:4
✓ user/login chromium	2.0s	posts.spec.ts:23
✓ post/create firefox	3.6s	posts.spec.ts:4

FUTURE WORK

Profiles

Create public profile pages for users to see all of a person's posts and learn more about them

Following

Subscribe to a user and get notifications when they post something!
Manage your personal list of people you follow

Search & Tags

Search functionality & tagging organization, to easily find the post you are looking for

Market

Creators can sell the materials they used directly from gitCraft

THE GITCRAFT VISION

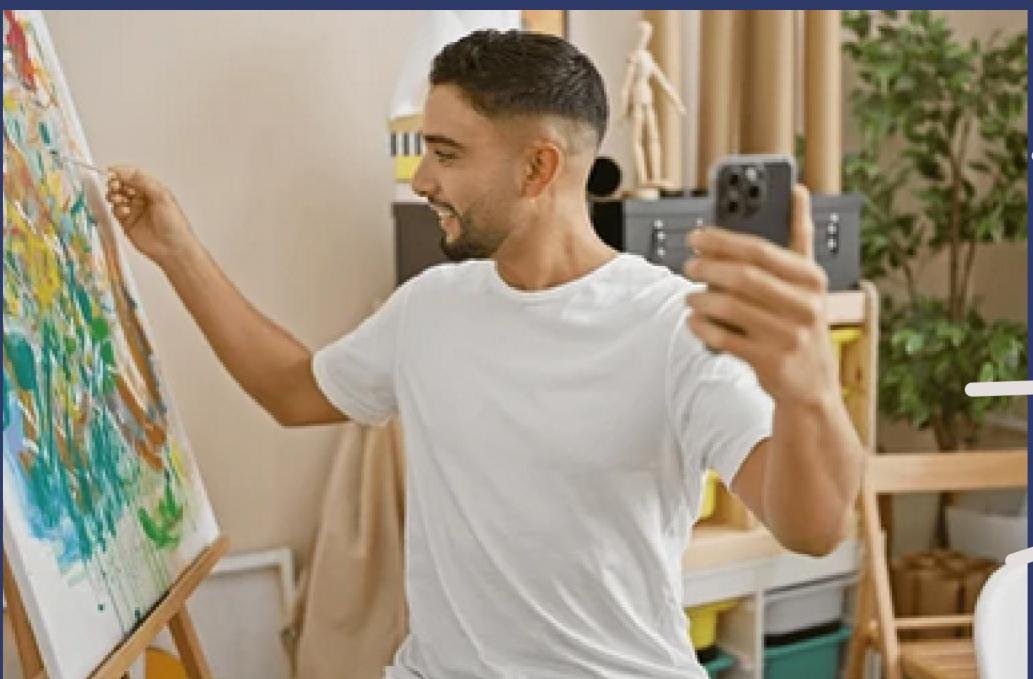
COMMUNITY

We hope that gitCraft can give artists and creatives the dedicated space they deserve to share art and learn from each other



INSPIRATION

By creating a central hub for art and creation, we hope that users of gitCraft can continue to develop their ideas and skills to become better at their craft



Thank you!
