

# Sprint One Retrospective

30/08/2019

**Attendees:** Austen McClernon, John Smith, John Smith & John Smith

Sprint one, named MVP (minimum viable product) was tasked with designing, architecting and implementing the barebones client requirements within three weeks. The acceptance requirements for this sprint are outlined below, as per agreement with the client John Smith.

Requirement	Result
<ul style="list-style-type: none"><li>■ Be able to access the site on both desktop and mobile such that scrolling, viewing and interacting with artifacts on the website is functional</li></ul>	<b>Requirement Met</b> -> implementation of css flex-box type website in React allows for responsive viewing across all platforms.
<ul style="list-style-type: none"><li>■ Be able to browse all artifacts in a grid view, where key information and a picture for each artifact is displayed.</li></ul>	<b>Requirement Met</b> -> A 3 column grid displays every available artifact with a snapshot of information, including uploaded Picture, Title, Date, Origin, Desc & Tags
<ul style="list-style-type: none"><li>■ Be able to click on an artifact and see a detailed extension of the grid view, where the user can view relevant dates, origin, descriptions, long form text and tags related to the artifact.</li></ul>	<b>Requirement Met</b> -> Upon clicking the picture of an artifact in grid view, a modal pops up presenting the user with a more detailed view of the artifact selected. Moreover, providing options for edit and deletion
<ul style="list-style-type: none"><li>■ Be able to upload a digital representation of an artifact, where a representation may all or some of a picture, title, date, description &amp; story length text.</li></ul>	<b>Requirement Met</b> -> Image upload is functional, the user is able to edit an existing image on an artifact, or reselect a new image as many times as they desire when uploading a new artifact.

<ul style="list-style-type: none"> <li>■ Be able to remove an existing artifact, deleting all media &amp; content (text/desc etc) related to it.</li> </ul>	<b>Requirement Met -&gt;</b> Artifact deletion is possible via clicking on an artifact in the grid view, prompting the detailed view, where upon clicking on the red trash can the user is able to delete an Artifact, after confirmation of intent.
<ul style="list-style-type: none"> <li>■ Be able to login to an existing user account, thereby authenticating the existing user &amp; providing full access use the website as required.</li> </ul>	<b>Requirement Met -&gt;</b> Upon reaching the website for the first time, the user is unauthenticated and unable to view any artifacts saved upon the database. Once authenticated via the login page, they are able to access all site functionalities.
<ol style="list-style-type: none"> <li>1. Be able to register a new user account independently.</li> </ol>	<b>Requirement Met -&gt;</b> A new user is able to register via the signup page. Upon submitting the form, their details are encrypted and stored into a seperate database collection, they now have an account registered independently.

## Additional Non-Sprint Requirements Met / In Progress

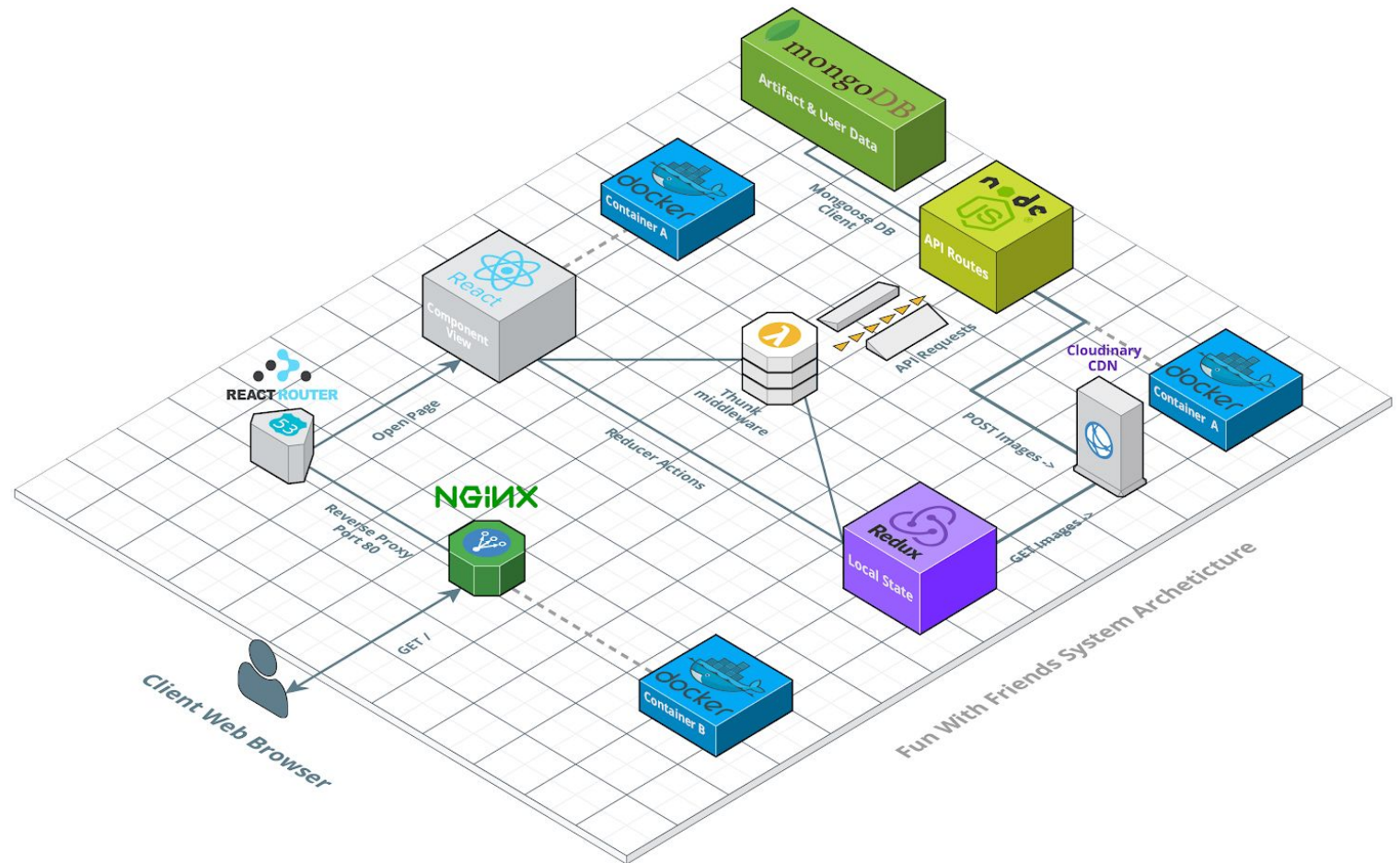
Filter Artifacts via search  
 Relations & Family users  
 Footer  
 Navigation Bar  
 Copyright

## Technologies Introduced During this Sprint

Client Dependencies Added	
1. Material-UI	2. Reselect
3. React-hook-form	4. React-Router
5. Uuid	6. Redux-Persist
7. Redux-Thunk	8. React-Redux
9. Redux	10. History

Server Dependencies Added	
11. Bcrypt	12. multer-storage-cloudinary
13. Cloudinary	14. nodemon
15. concurrently	16. Mongoose
17. dotenv	18. jsonwebtoken

## System Architecture Overview



## Post Sprint Team Discussion (SWOT)

Strengths	Weaknesses	Opportunities	Threats
Deployment strategy & execution	Code Quality / Documentation	Code Quality	Project loses maintainability
Ability to meet deadlines & requirements	Testing	Varied contributions across all areas	Members fall behind and unable to contribute on the technical side
Technical Solutions to non-trivial problems e.g. state management & authentication	Hard to contribute to features	Peer coding to enhance contributions of all members	
Overall structure and tech architecture of the project			

## Post Sprint Review:

1. Github, Trello & Slack standards for PR's, Commits & Merging
  - a. File Diff
    - i. Small as logically possible, such that reviewing a PR is not something that takes guessing as to whether it functions as it should
  - b. PR Standards
    - i. Tags, Request reviewer & brief PR message detailing diff & why
    - ii. Feature should be tested locally and pass testing before PR is created
  - c. Testing ahead

- i. Unit (redux state, reducers and simple actions, mongoose model validation)
  - ii. Integration (API calls, complex redux actions)
  - iii. Functional (UI interaction)
  - iv. Visual (UI visual changes)
- d. Review standards ~ ***Aim: To introduce greater diversity in PR process***
  - i. Checking passability requires:
    - 1. Pulling and testing branch manually on machine
    - 2. Checking file diff on github
    - 3. Checking dev console on browser & terminal for errors / warnings

## **Appendix:**

### **A.1**


#### **A.1.1 Trello**





## A.2.2 Github Repository README.md

README.md



### Fun With Friends

An artifact registry for IT Project (COMP30022).

build

passing

version

latest

license

GPL-3.0

26.1MB

9 layers

pull requests

0 open

commit activity

111/month

code quality

A

### Stack

Fun With Friends is built using the MERN stack, consisting of a React frontend served by a NodeJS backend running Express and connected to a MongoDB database.

### Build Pipeline

1. New pull requests trigger TravisCI to deploy a new worker
2. The worker pulls the repo, installs package dependencies, runs unit and integration tests and builds the React client
3. On success, the worker then builds a Docker container of the React client and Express server and pushes it to DockerHub
4. On the production server running Ubuntu, Watchtower receives a notification that there is a new latest container. It then fetches the new latest container and gracefully runs the new container while stopping the old container.


### Development

1. Navigate to the server directory with `cd server`
2. Execute `npm run dev` to start both the React client and Express server in development mode allowing instant refreshes. The React client listens on **port 3000** and the Express server listens on **port 8080**. Any changes in the code will be displayed after a page refresh.

## A.2.3 Github Pull Requests

<input type="checkbox"/>	0 Open ✓ 57 Closed	Author ▾	Labels ▾	Projects ▾	Milestones ▾	Reviews ▾	Assignee ▾	Sort ▾
<input type="checkbox"/>	<a href="#">Kvoli branchmerge</a> ✓ <span>Bug Fix</span> <span>Enhancement</span> #58 by alanlewis764 was merged 9 hours ago • Approved							1
<input type="checkbox"/>	<a href="#">Alan lewis snackbar</a> ✓ <span>Enhancement</span> <span>Refactor</span> #57 by alanlewis764 was closed 13 hours ago • Changes requested							3
<input type="checkbox"/>	<a href="#">Austen/Ben - CRUD functionality on client   UI tidy up   Login required to see images</a> ✓ <span>Bug Fix</span> <span>Enhancement</span> <span>bug</span> <span>invalid</span> #56 by kvoli was merged 20 hours ago • Approved							5
<input type="checkbox"/>	<a href="#">Ben - Artifact API</a> ✓ <span>Enhancement</span> <span>Refactor</span> #55 by Dezyh was merged 2 days ago • Approved							3
<input type="checkbox"/>	<a href="#">Changes made to actions, components-navProfileMenu, components/SignUp...</a> ✓ #54 by alanlewis764 was merged 2 days ago • Approved							1
<input type="checkbox"/>	<a href="#">Ben - Client Login</a> ✗ <span>Enhancement</span> #53 by Dezyh was merged 3 days ago • Approved							1
<input type="checkbox"/>	<a href="#">Move dotenv to production dependency following refactor of API</a> ✓ <span>Bug Fix</span> #52 by Dezyh was merged 4 days ago • Approved							1
<input type="checkbox"/>	<a href="#">Ben - Server Package Fix</a> ✗ <span>Bug Fix</span> #51 by Dezyh was closed 4 days ago • Review required							
<input type="checkbox"/>	<a href="#">Ben - Small API Refactor</a> ✓ <span>Bug Fix</span> <span>Refactor</span> #50 by Dezyh was merged 4 days ago • Approved							
<input type="checkbox"/>	<a href="#">add search function for artifact filtering</a> ✓ <span>Enhancement</span> #49 by kvoli was merged 5 days ago • Approved							1
<input type="checkbox"/>	<a href="#">add local state delete functionality</a> ✓ <span>Bug Fix</span> <span>Refactor</span> #48 by kvoli was merged 5 days ago • Approved							1
<input type="checkbox"/>	<a href="#">update redux   modals   spacing</a> ✓ <span>Enhancement</span> <span>documentation</span> #47 by kvoli was merged 5 days ago • Review required							2
<input type="checkbox"/>	<a href="#">Add react routing, signup page and reordered routing on the server</a> ✓ #46 by Dezyh was merged 7 days ago • Approved							1
<input type="checkbox"/>	<a href="#">add navbar &amp; util bar</a> ✓ #45 by kvoli was merged 7 days ago • Approved							
<input type="checkbox"/>	<a href="#">Ben - Fix exports in image controller</a> ✓ <span>bug</span> #44 by Dezyh was merged 7 days ago • Approved							
<input type="checkbox"/>	<a href="#">Ben Bugfixes</a> ✓ <span>bug</span> <span>documentation</span> #43 by Dezyh was merged 7 days ago • Approved							1
<input type="checkbox"/>	<a href="#">made login page</a> ✗ #42 by alanlewis764 was merged 7 days ago • Approved							1
<input type="checkbox"/>	<a href="#">Add react-redux package and skeleton code</a> ✗ <span>Enhancement</span> <span>bug</span> #41 by kvoli was merged 8 days ago • Approved							
<input type="checkbox"/>	<a href="#">Add image route and controller to upload images to cloundinary</a> ✗ <span>Enhancement</span> <span>bug</span> #40 by Dezyh was merged 8 days ago • Review required							1
<input type="checkbox"/>	<a href="#">Add user routes and controllers</a> ✗ <span>Enhancement</span> <span>bug</span> #39 by Dezyh was merged 9 days ago • Approved							2
<input type="checkbox"/>	<a href="#">update cloundinary config in server.js express</a> ✗ #38 by Dezyh was merged 9 days ago • Review required							1


## A.3.1 DockerHub Remote


 dockerhub

Search for great content (e.g., mysql)

ExploreRepositoriesOrganizationsGet Help ▾

kvoli ▾





kvoli/fun-with-friends ☆

By kvoli • Updated 9 hours ago

COMP30022 IT-Project

Container

Manage Repository

📄 Pulls 6.5K

OverviewTags

Tags (21)

latest 30 MB

Last update: 9 hours ago

pull-request-kvoli-branchmerge 30 MB

Last update: 9 hours ago

pull-request-kvoli-form 30 MB

Last update: 20 hours ago

pull-request-alan-lewis-snackbar 30 MB

Last update: 21 hours ago

pull-request-ben-api-artifact 30 MB

Last update: 2 days ago

pull-request-alan-signup-ready 30 MB

Last update: 2 days ago

pull-request-ben-client-login-redux 30 MB

Last update: 3 days ago

pull-request-ben-packages 30 MB

Last update: 4 days ago

pull-request-ben-cleanup-api 30 MB

Last update: 4 days ago

pull-request-kvoli-search 30 MB

Last update: 5 days ago

pull-request-kvoli-redux 30 MB

Last update: 5 days ago


pull-request-ben-react-router 30 MB

Last update: 7 days ago

## A.4.1 Travis.ci Testing (Staging Branch)

Travis CI

[Dashboard](#) [Changelog](#) [Documentation](#) [Help](#)



kvoli / fun-with-friends

build passing

Current

Branches



Build History

Pull Requests

More options

✓ staging	Kvoli branchmerge (#58)	→ #89 passed - 16ed1d4	🕒 1 min 32 sec 📅 about 9 hours ago	⌵
✓ staging	Merge pull request #56 from kvoli/kvoli-form	→ #86 passed - 48b848d	🕒 1 min 44 sec 📅 about 19 hours ago	⌵
✓ staging	Ben - Artifact API (#55)	→ #74 passed - 9642f39	🕒 1 min 36 sec 📅 a day ago	⌵
✓ staging	Changes made to actions, components-navProfile	→ #72 passed - dc0ac31	🕒 3 min 49 sec 📅 2 days ago	⌵
✓ staging	Ben - Client Login (#53)	→ #69 passed - 254cb28	🕒 1 min 31 sec 📅 3 days ago	⌵
✓ staging	Move dotEnv to production dependency following	→ #66 passed - 1a2f94c	🕒 1 min 31 sec 📅 4 days ago	⌵
✓ staging	Ben - Small API Refactor (#50)	→ #63 passed - ec7a481	🕒 1 min 30 sec 📅 4 days ago	⌵
✓ staging	Merge pull request #49 from kvoli/kvoli-search	→ #61 passed - 5bab749	🕒 1 min 32 sec 📅 5 days ago	⌵
✓ staging	Merge pull request #48 from kvoli/kvoli-redux	→ #59 passed - 431b35e	🕒 1 min 34 sec 📅 5 days ago	⌵
✓ staging	Merge pull request #47 from kvoli/kvoli-redux	→ #56 passed - faa9adc	🕒 1 min 33 sec 📅 5 days ago	⌵
✓ staging	Add react routing, signup page and reordered rou	→ #53 passed - 7a76c87	🕒 1 min 31 sec 📅 7 days ago	⌵
✓ staging	Merge pull request #45 from kvoli/kvoli-artifact	→ #51 passed - eb9c80a	🕒 1 min 33 sec 📅 7 days ago	⌵
✓ staging	Merge pull request #44 from kvoli/ben-bugfix	→ #47 passed - 7edaa46	🕒 1 min 58 sec 📅 7 days ago	⌵

## A.4.2 Travis.ci Testing (Pull Requests)

 kvoli / fun-with-friends  build passing

Current	Branches	Build History	Pull Requests	More options
✓ PR #58	Kvoli branchmerge	🚦 #88 passed	🕒 1 min 39 sec	🔄
👤 Austen		🔗 3bf4590	📅 about 9 hours ago	
✗ PR #58	Kvoli branchmerge	🚦 #87 failed	🕒 1 min 17 sec	🔄
👤 alanlewis764		🔗 e4e90cd	📅 about 9 hours ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #85 passed	🕒 1 min 52 sec	🔄
👤 Ben Mitchell		🔗 efd3660	📅 about 20 hours ago	
✓ PR #57	Alan lewis snackbar	🚦 #84 passed	🕒 1 min 34 sec	🔄
👤 alanlewis764		🔗 fd68bd0	📅 about 21 hours ago	
✓ PR #57	Alan lewis snackbar	🚦 #83 passed	🕒 1 min 37 sec	🔄
👤 alanlewis764		🔗 88589cb	📅 about 21 hours ago	
✗ PR #56	Do not Approve yet... @Dezyh review	🚦 #82 failed	🕒 1 min 29 sec	🔄
👤 Austen		🔗 f148973	📅 about 23 hours ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #81 passed	🕒 1 min 33 sec	🔄
👤 Austen		🔗 39d17e7	📅 about 24 hours ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #80 passed	🕒 1 min 54 sec	🔄
👤 Austen		🔗 2e6c565	📅 about 24 hours ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #79 passed	🕒 2 min 49 sec	🔄
👤 Austen		🔗 cb223a4	📅 a day ago	
✓ PR #57	Alan lewis snackbar	🚦 #78 passed	🕒 1 min 57 sec	🔄
👤 alanlewis764		🔗 07e0c71	📅 a day ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #77 passed	🕒 3 min 39 sec	🔄
👤 Austen		🔗 c8e5163	📅 a day ago	
✓ PR #56	Do not Approve yet... @Dezyh review	🚦 #76 passed	🕒 1 min 45 sec	🔄
👤 Austen		🔗 4fc58f0	📅 a day ago	
✗ PR #56	Do not Approve yet... @Dezyh review	🚦 #75 failed	🕒 1 min 4 sec	🔄
👤 Austen		🔗 438efad	📅 a day ago	
✓ PR #55	Ben - Artifact API	🚦 #73 passed	🕒 1 min 44 sec	🔄

## A.5.1 Codacity Automatic Linting & Code Style Review

fun-with-friends staging

### A Project certification

Quality evolution

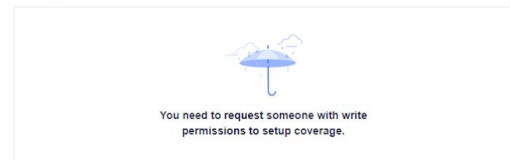
Last 7 days Last 31 days



Issues breakdown




Coverage








## A.6.1 Slack #Deployment Channel


---


 **Docker Hub** APP 3:39 AM  
kvoli  
kvoli/fun-with-friends:pull-request-alan-lewis-snackbar: Repository Push


 **Travis CI** APP 3:39 AM  
Build #84 (fd68bd0) of kvoli/fun-with-friends@staging in PR #57 by alanlewis764 passed in 1 min 34 sec


 **Docker Hub** APP 4:54 AM  
kvoli  
kvoli/fun-with-friends:pull-request-kvoli-form: Repository Push


 **Travis CI** APP 4:54 AM  
Build #85 (efd3660) of kvoli/fun-with-friends@staging in PR #56 by Ben Mitchell passed in 1 min 52 sec


 **Travis CI** APP 5:00 AM  
Build #86 (48b848d) of kvoli/fun-with-friends@staging by Ben Mitchell passed in 1 min 44 sec


 **Docker Hub** APP 5:00 AM  
kvoli  
kvoli/fun-with-friends:latest: Repository Push


 **Watchtower** APP 5:03 AM  
Found new kvoli/fun-with-friends:latest image (sha256:ae2fea8a6a89678c80327d25ca1449532f7d4d008b0f49ae3a5b86e82db9c604)  
Stopping /fun-with-friends (2dd7a39e38d26cd68fa00bd8b4d532db79f9965d2a7779d439b3c6cda48306cb) with SIGTERM  
Creating /fun-with-friends


 **Travis CI** APP 3:08 PM  
Build #87 (e4e90cd) of kvoli/fun-with-friends@staging in PR #58 by alanlewis764 failed in 1 min 17 sec

 **Travis CI** APP 3:13 PM  
Build #88 (3bf4590) of kvoli/fun-with-friends@staging in PR #58 by Austen passed in 1 min 39 sec

 **Docker Hub** APP 3:13 PM  
kvoli  
kvoli/fun-with-friends:pull-request-kvoli-branchmerge: Repository Push

 **Docker Hub** APP 3:29 PM  
kvoli  
kvoli/fun-with-friends:latest: Repository Push

 **Travis CI** APP 3:29 PM  
Build #89 (16ed1d4) of kvoli/fun-with-friends@staging by alanlewis764 passed in 1 min 32 sec

 **Watchtower** APP 3:33 PM  
Found new kvoli/fun-with-friends:latest image (sha256:6c9fab4f7be2910b1fcca9f71b27de73ba10b38e92871c9146a9c8fd4384a7c5)  
Stopping /fun-with-friends (7aae62ebb59481c1b17822466f2be765e78157d520ced8a459f73a12ba36f8e4) with SIGTERM  
Creating /fun-with-friends

## A.6.2 Slack #code-review

### #code-review

☆ | 👤 4 | 📌 0 | ➕ Add a topic

changes to allow for artefact deleted snackbar to pop up when an artefact is deleted

 kvoli/fun-with-friends | Yesterday at 12:05 AM

✓ All checks have passed

2/2 successful checks



GitHub APP 3:51 AM

Pull request closed by alanlewis764

[#57 Alan lewis snackbar](#)

 kvoli/fun-with-friends | Yesterday at 12:05 AM



GitHub APP 4:58 AM

 Dezyh

31 new commits pushed to [staging](#)

[a1fde4e0](#) - add artifact form - redux add

[3a9a7adb](#) - Add CRUD artifact API endpoints

[6cbe1b50](#) - Merge branch 'staging' of <https://github.com/kvoli/fun-with-friends> into staging

[e305e083](#) - update resizing for form - fix text entry

[Show more](#)

 kvoli/fun-with-friends

Pull request merged by Dezyh

[#56 Austen/Ben - CRUD functionality on client | UI tidy up | Login required to see images](#)

 kvoli/fun-with-friends | Aug 28th



GitHub APP 11:58 AM

Pull request reopened by kvoli

[#57 Alan lewis snackbar](#)

 kvoli/fun-with-friends | Yesterday at 12:05 AM

Pull request closed by kvoli

[#57 Alan lewis snackbar](#)

 kvoli/fun-with-friends | Yesterday at 12:05 AM



GitHub APP 3:06 PM

Pull request opened by alanlewis764

 alanlewis764

[#58 Kvoli branchmerge](#)

Snack bar completed. It pops up bottom left corner when an artifact is deleted, edited or added. It provides the relevant message depending on the action and closes when the x-button is clicked

Assignees

alanlewis764

Labels

Bug Fix, Enhancement

 kvoli/fun-with-friends | Yesterday at 3:06 PM

✓ All checks have passed

2/2 successful checks



GitHub APP 3:27 PM

 kvoli

1 new commit pushed to [staging](#)

[16ed1d4a](#) - Kvoli branchmerge (#58)

 kvoli/fun-with-friends

Pull request merged by kvoli

[#58 Kvoli branchmerge](#)

 kvoli/fun-with-friends | Yesterday at 3:06 PM



## A.6.3 Slack #general

Slack | #general | Fun With Friends (COMPLETED)

Fun With Friends

Jump to...

Threads

Channels

# code-review

# deployment

# general

# meetings

# trelo-updates

+ Add a channel

Direct Messages

Slackbot

Alan Lewis

Ben Mitchell

Kevin

Kevin, Alan Lewis, Ben ...

Shubham Rawal

+ Invite people

Apps

GitHub

Google Drive

trelo

+ Add apps

#general

Company-wide announcements and work-based matters

Yesterday

Austen 5:50 PM

Card

UML Diagrams

In list Dev on Sprint 1: MVP

pm: 1 1/3 1/3 Alan Lewis, Kevin

Labels: Documentation

Note that the UML diagrams are a logical consequence of evolving documentation and are not intended to serve as stand-alone, self-explanatory elucidations of the project.

Quick Actions

Ben Mitchell 6:44 PM

Setup SSL with NGINX as a reverse proxy

<https://funwithfriends.net/>

Have we decided on any format for the documentation/developer handbook

Austen 6:45 PM

M/D seems logical

Ben Mitchell 6:45 PM

Yeah I was going to say, we could do something similar to this

<https://github.com/JrCs/docker-letsencrypt-nginx-proxy-companion/tree/master/docs>

Make a /docs directory in the repo

And create .md files for different sections

Austen 6:46 PM

<https://github.com/JrCs/docker-letsencrypt-nginx-proxy-companion/wiki>

the reason i do that

is for the github integrated wiki

which looks decent tho

Ben Mitchell 6:47 PM

I'm in favor of using GitHub wiki then

If everyone is in agreement, I'll make a start @Alan Lewis @Kevin @Austen

👍

Otherwise I'm open to alternative suggestions

Today

Austen 12:52 AM

System Architecture

Fun With Friends (2 img)

Message #general

About this channel

Channel Details

Highlights

2 Pinned Items

5 Members

Austen (you)

Alan Lewis

Ben Mitchell

Kevin

Shubham Rawal

Add People

1 App

Shared Files

Notification Preferences