

Learn'N Basic Dev Log/Progress

Ryan Millares

11/9/21

- Progress
 - Implemented front-end chat feature prototype for group chats
 - Messages will appear
- Bugs
 - Cannot reference auth username
 - Messages do not persist and disappear upon a refresh

11/10/21

- Progress
 - Implemented back-end link to supabase tables for chat feature
- Bugs
 - Still cannot reference auth username

The screenshot shows a mobile application interface for 'Learn'N'. At the top, there's a navigation bar with a lightbulb icon, the text 'Learn'N', and three tabs: 'Groups', 'Forums', and 'Free Offers'. Below the navigation bar is a section titled 'Forums'. It contains a text input field with placeholder 'Enter message' and a green 'Save' button. A list of messages follows:

- rmillares
test message Sent 16:12:28
- Ryan
Hellooooo? Sent 15:44:31
- Ryan Millares
Is anyone there? Sent 15:44:31
- Ryan Millares
Hello there Sent 15:44:31

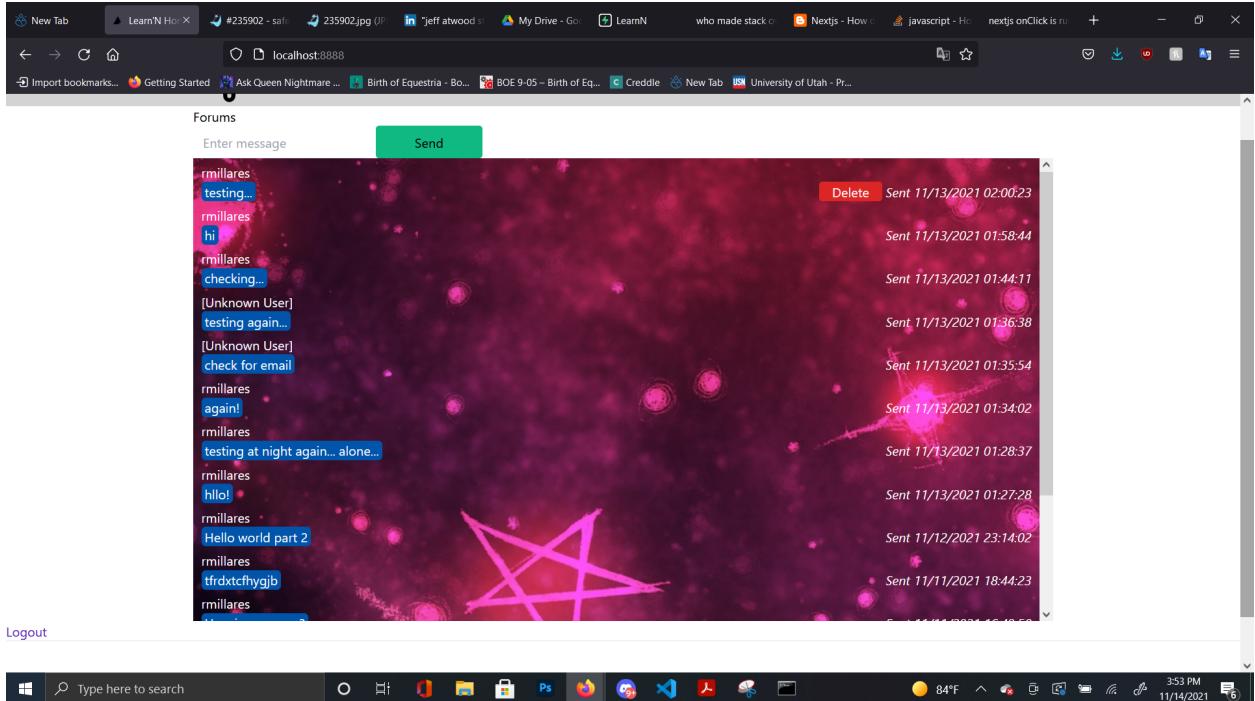
11/13/21

- Progress
 - Resolved bug with username by using supabase import
 - `const currUser = supabase.auth.user()`
 - Messages now show indicator if sent by self vs other user messages
- Bugs
 - None yet

11/14/21

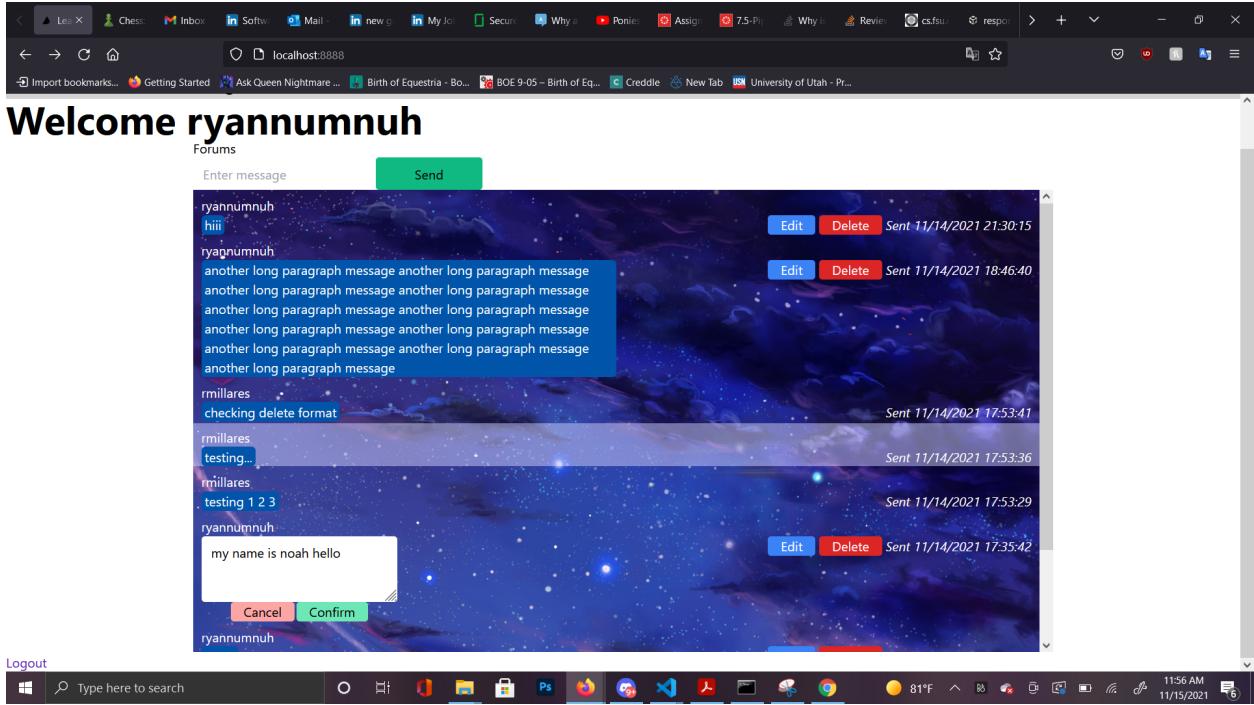
- Progress
 - Edit and delete buttons show on own messages
 - Delete functionality 100% working
 - Edit functionality partially working

- Clicking Edit will replace msg with textarea containing current message
- User can click cancel to go back or change msg contents and click confirm to change message
- Bugs
 - Editing a message will send it to the top of the chat for some reason



11/15/21

- Progress
 - Editing bug fixed by sorting messages by timestamp before
 - Only editing works fine
 - Nevermind it broke again
 - Froze background image on chat prototype
 - Added better styling to edit textarea and date/time display
- Bugs
 - Entering a new message will mess up the default values of edit textarea.
 - If msgs = "hello" "let's go".
 - If I send a new message, then attempt to edit "hello", the default textarea will show "let's go".
 - Editing a message when it is like this also still sends the new message to the top

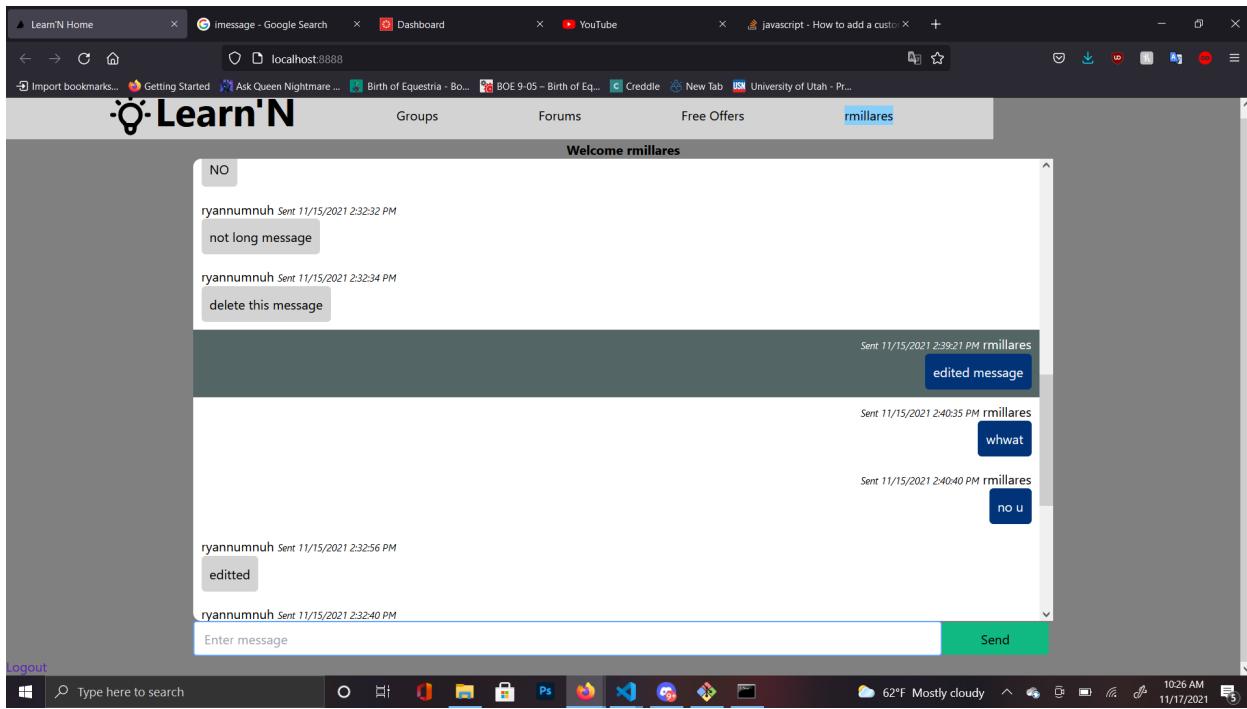


11/16/21

- Progress
 - Implemented custom right-align formatting for own messages
 - Started implementing hiding header for new user messages
 - Bugs
 - Edit bug still persists
 - New bug with embedded chat on homepage, new messages appear for a split second then vanish?

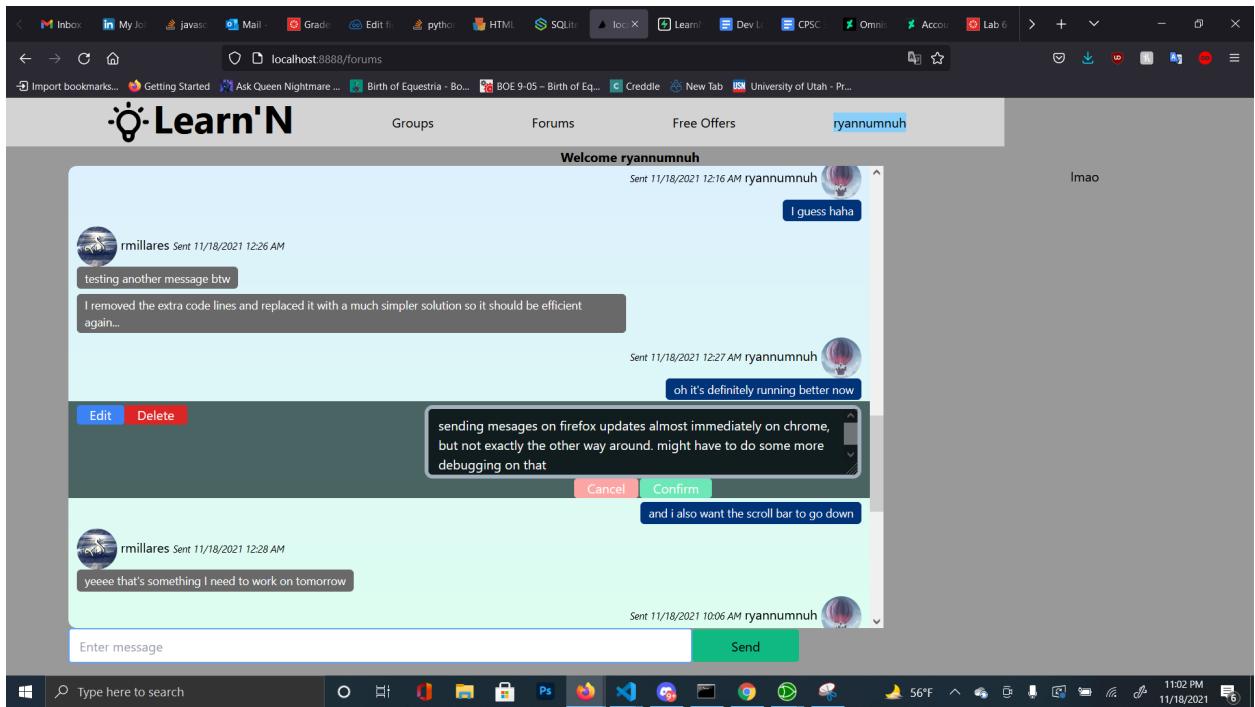
11/17/21

- Progress
 - Temporarily removed delete/edit buttons
 - Found vanishing msg bug is messages are being inserted out of order??
 - Successfully implemented msg header compression
 - Fixed background image in place
 - Might use normal color for final deliverable
 - Bugs
 - Edit bug and vanish msg bug persist
 - Msg header compression has some instabilities/flickering



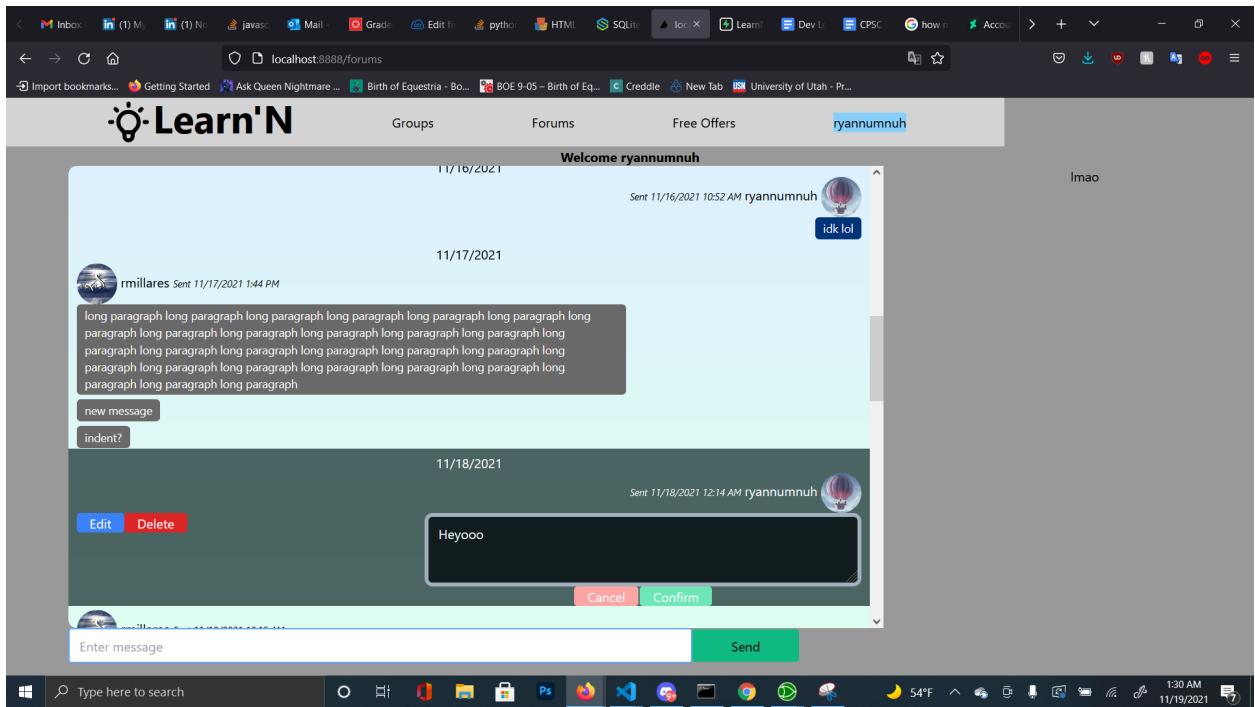
11/18/21

- **Progress**
 - Resolved flickering for header compression
 - Added extra filter for header compression
 - Show header if msg is sent by new user or if by same user and their last msg was over an hour ago
 - Resolved edit bug
 - Sorted SQL table on back-end and moved sort code on front-end outside of conditional
 - Implemented front-end profile picture prototypes
 - Current user will always have diff pfp than other users
 - Not yet back-end customized
- **Bugs**
 - Users can bypass the blank-message filter by sending white-space



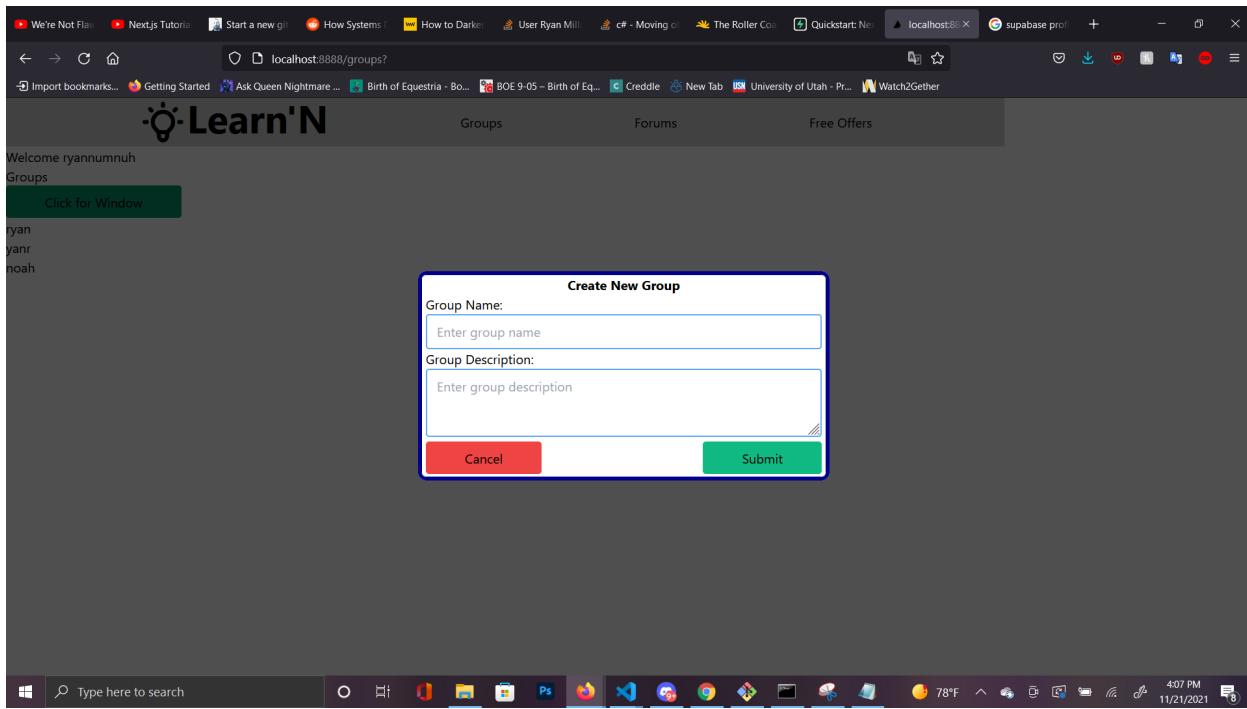
11/19/21

- **Progress**
 - Successfully implemented date divider
 - Messages sent on a new day will have visible header + centered div stating the current day.
 - Whitespace bug resolved, Input now prevents users from sending messages containing only whitespace
 - Successfully initialized GitHub repository for project
- **Bug**



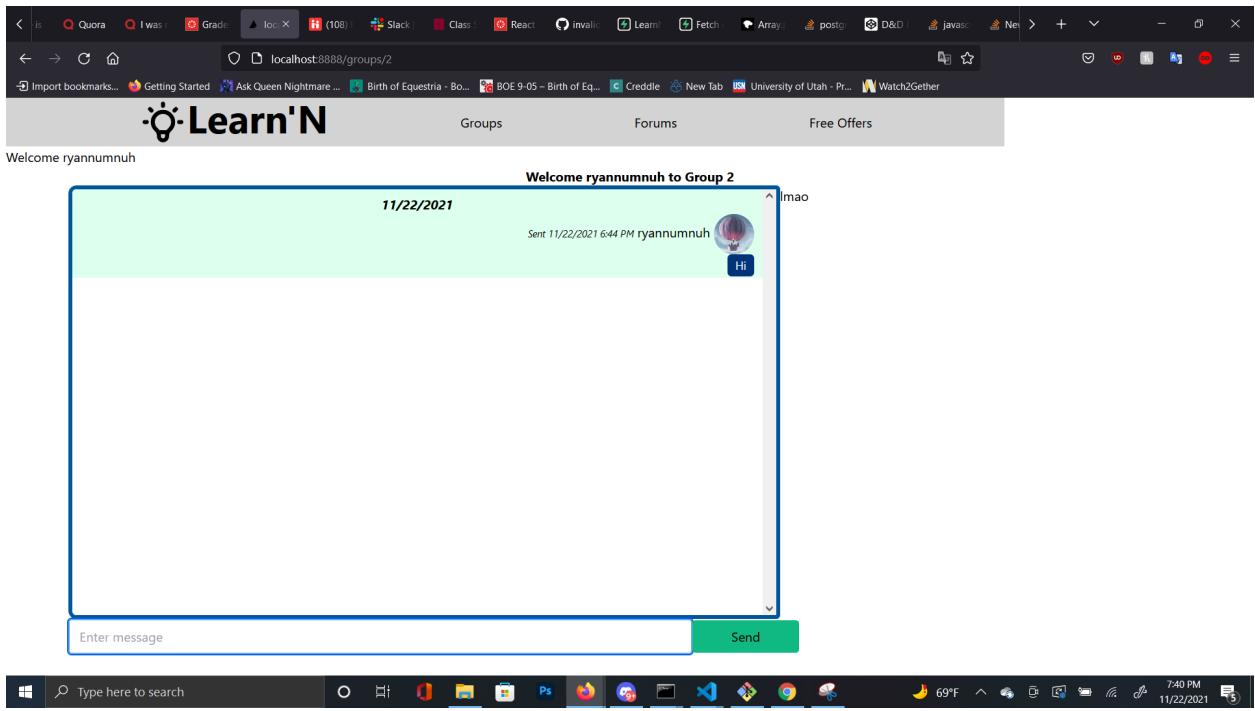
11/21/21

- Progress
 - Figured out rough dynamic routing
 - Can pass the number in url into component
 - Creating SQL for group chats and beginning refactoring chat prototype for dynamic routed groups
 - Foreground element pops up upon button click with box shadow
 - Submit and cancel buttons appear as well
 - Swapped out background image of chat in favor of subtle linear gradient
- Bugs
 - Unable to create new groups yet with button



11/22/21

- **Progress**
 - Successfully implemented basic group creation and viewing.
 - Can click new group button, create a new group, then access directly or by redirect /groups/[id]
 - Fixed bug where size of chat div would start small depending on width of first message
 - Fixed bug where color background only appeared where there were messages
- **Bugs**
 - All valid groups can be accessed by any users directly via url, regardless of permissions
 - Users can still access URLs of nonexistent groups (blank message stream), and will receive error when trying to add messages
 - Occasional “messages is null” error after leaving a groups page open for too long



11/23/21

- Progress
 - Created loading screen for fetching group data
 - Group accessibility limited to users included in group chat's "accepted_members" string
 - Successfully added conditionals for attempting to access nonexistent groups
 - Experimenting with image uploading to use in future profile feature
 - Switched over from ForumItem.js to ChatItem.js components (very similar with minor adjustments for more specific SQL querying)
 - Resolved null messages error with conditionals in useEffect()
- Bugs
 - SQL trigger fails, unfamiliar with Postgres syntax
 - Trying to insert to profiles upon addition of new row to auth.users

Fetching data...

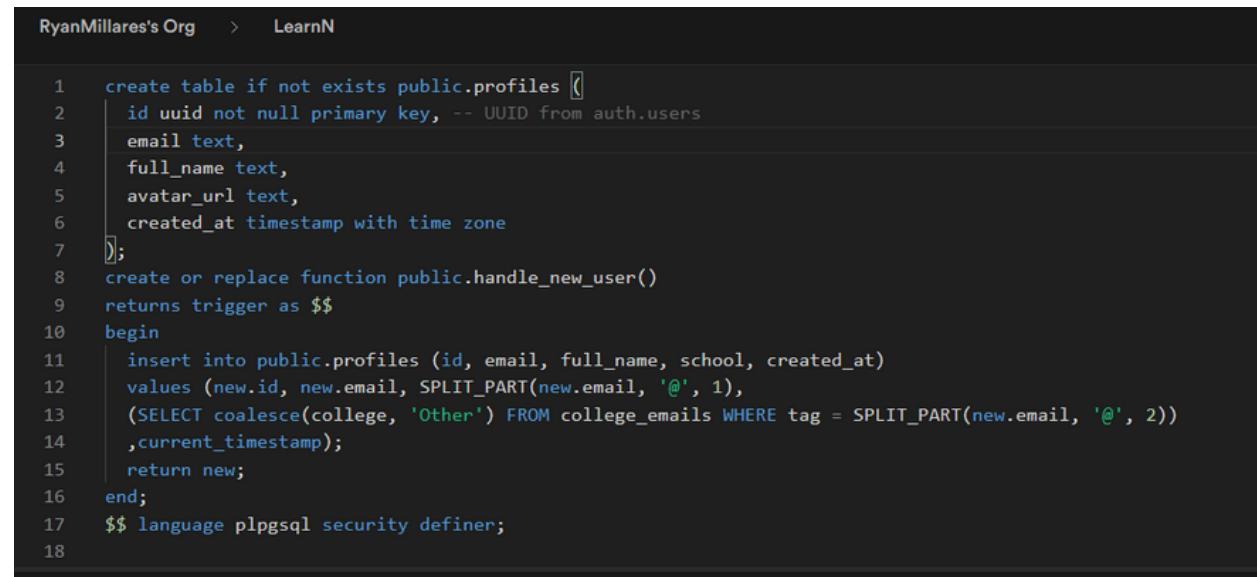
11/24/21

- Progress

- Resolved SQL trigger bug, successfully have public users table
- Set invite_members as the new redirect after group creation
- Limited invite_members to the creator of the group
- Replaced linear gradient with solid background color
- Bugs
 - Invite_members currently contains nothing visible

11/25/21

- Progress
 - Improved SQL trigger function to add full name and school fields, switched from public.users to public.profiles
 - Minor bug fixes
- Bugs
 - Currently unable to search college emails table to select school based on email tag



```

1  create table if not exists public.profiles [
2    id uuid not null primary key, -- UUID from auth.users
3    email text,
4    full_name text,
5    avatar_url text,
6    created_at timestamp with time zone
7  ];
8  create or replace function public.handle_new_user()
9  returns trigger as $$$
10 begin
11   insert into public.profiles (id, email, full_name, school, created_at)
12   values (new.id, new.email, SPLIT_PART(new.email, '@', 1),
13   (SELECT coalesce(college, 'Other') FROM college_emails WHERE tag = SPLIT_PART(new.email, '@', 2))
14   ,current_timestamp);
15   return new;
16 end;
17 $$ language plpgsql security definer;
18

```

11/26/21

- Progress
 - Added list of accepted members, this needs to be refreshed to update though (to avoid resource issues in Chrome)
 - Began adding user profiles
- Bugs
 - Having trouble displaying list of accepted groups
 - Currently doesn't return any rows



11/27/21

- Progress
 - Groups bug solved, included “%” on either side of user.email in the supabase SQL query
 - Small adjustments to formatting
- Bugs
 - Investigating why API requests are so high
 - Postgres trigger bug persists...

11/29/21

- Progress
 - Added containers and card divs for list of groups (custom CSS)
 - Hover transition to underline and increased box shadow
 - Added GroupPanel.js as a component to allow for smoother mapping and SQL querying of user full_names vs email list
 - Began dynamic routing for user profiles, added clickable links for members in group chat accepted member list
 - Added basic profile verification, as well as a few “surprises” for custom 404 and invalid groups/profiles
- Bugs
 - PostgreSQL bug persists

Welcome infinitydash5217

Groups

Calc group
yesyesyes
infinitydash5217, ryannumnuh, rmillares
ryan
yanr
noah

Infinity Dash's Test Group
testing out adding new members to a group
infinitydash5217

Testing Invites
This group is to test the new invite system. For now, inviting will automatically accept them until messages are implemented.
infinitydash5217

11/30/21

- Progress
 - Requesting user/student feedback on UI design
 - Changed CSS for msg editing, removed “Edit” and “Delete” buttons when in edit mode

Welcome ryannumnuh

Welcome ryannumnuh to Calc group

11/22/2021 6:39 PM ryannumnuh hi

11/24/2021 5:38 PM infinitydash5217 woohoo

Cancel Confirm

this is funny
okay now it scrolls

11/24/2021

infinitydash5217 Sent 11/24/2021 5:38 PM

test message45rhg EDIT test test message45rhg EDIT testtest message45rhg EDIT

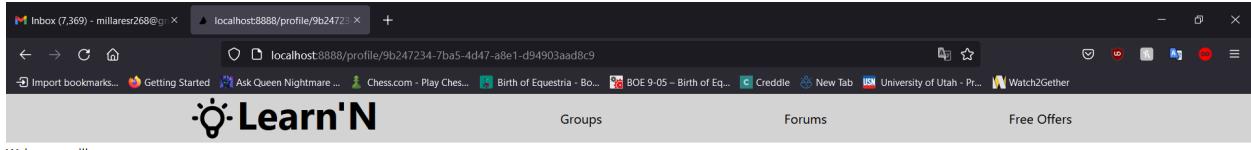
Accepted Members
ryannumnuh
rmillares
infinitydash5217

hehe

12/1/21

- Progress

- Added more information to profile pages
 - School, name, email, formatted join date
- Allow users to click members in member list in groups to access profile pictures

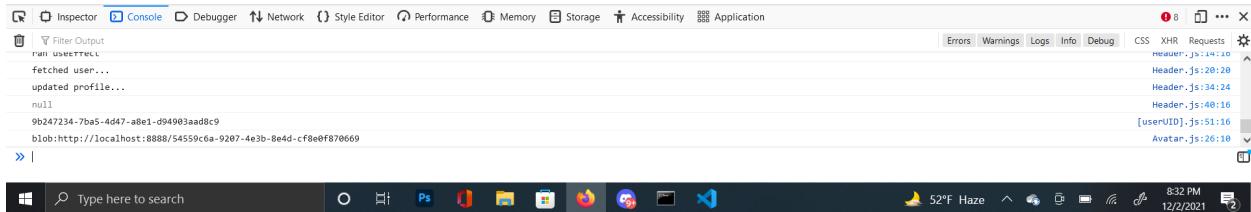


Welcome rmillares



Upload

This is the user rmillares
Email: rmillares@chapman.edu
Avatar: 0.4246143021026566.PNG
School: Chapman University
Join Date: Dec 02 2021 6:47 PM



12/2/21

- Progress

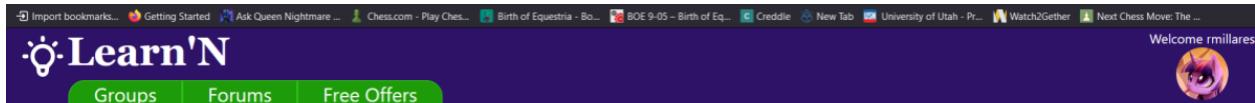
- Users can now upload custom profile pictures that are visible in group chats
 - Currently apparently users can overwrite other's profile pictures
- Slightly changed formatting of profile page with flex box
- Added 32-character cap on group names to avoid weird stuff
- Developed work-around for Postgres bug by using the Header component to update the incorrect school client-side and push to the backend

```
useEffect(() => {
    if (user != null && userInfo == null) {
        console.log("fetching user")
        fetchUser()
    }
    else if (userInfo != null) {
        if(unreadNum == null) [
            fetchUnread()
        ]
    }

    if (!userInfo.schoolFixed) {
        if (collegeName == null) {
            fetchSchool()
            console.log("fetching school...")
        }
        else if(!ranOnce) {
            console.log("updating school and profile...")
            updateUserSchool()
        }
    }
    else {
        //do nothing, all is well
    }
}
//console.log(unreadNum)
})
```

12/4/21

- Progress
 - Improved CSS for Header, doing research on modern website design tips to modernize layout and color scheme.



Groups

12/6/21

- Progress

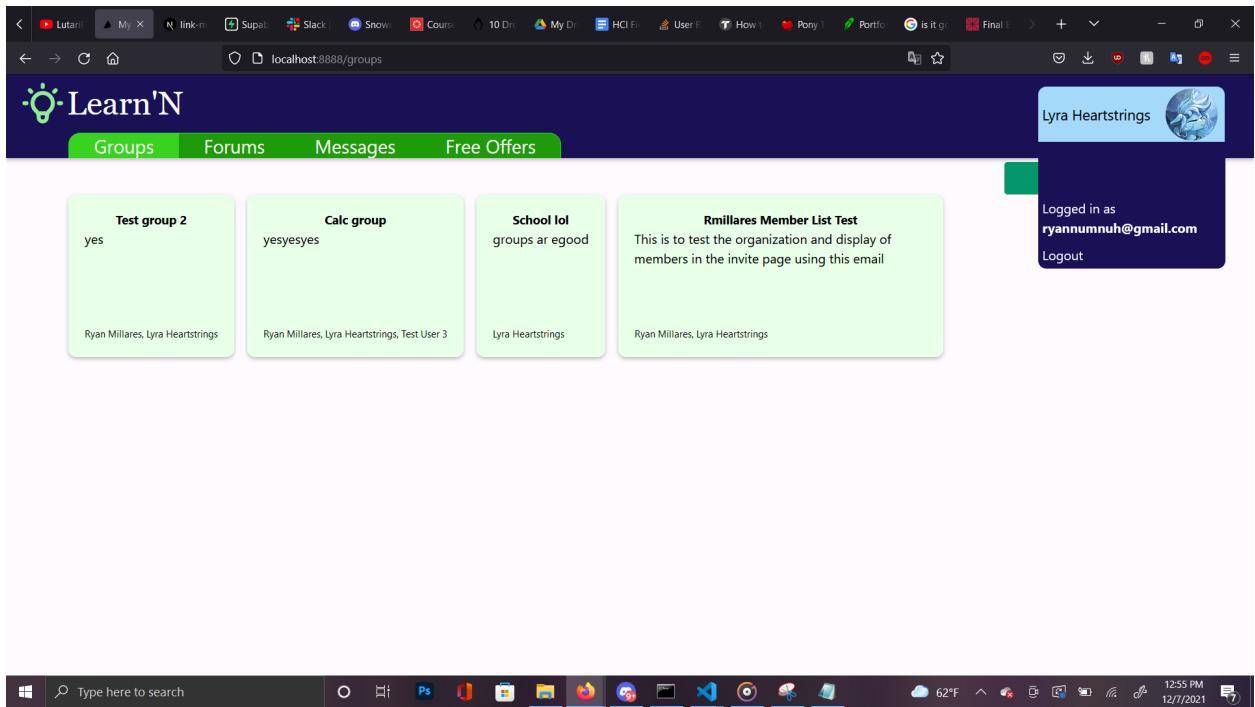
- Massive improvement to Header CSS and layout
 - Added CSS transitions, more colors, borders, flex layout
 - Added more cursor pointers to items
- Resolved bug so users can only edit their own profile picture

A screenshot of a group chat interface. On the left, there's a message history window titled "Welcome rmillares to Test group 2". It shows two messages from "ryannumnuh": "Hi" and "yes". The second message includes a link to a GitHub repository. A message from "Ryan Millares" follows: "Sent 11/22/2021 7:40 PM Ryan Millares helloo" and "this is a new group right?". On the right, there's a sidebar titled "Accepted Members" which lists "Ryan Millares" and "ryannumnuh". The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date and time as 12/5/2021 at 7:23 PM.

12/7/21

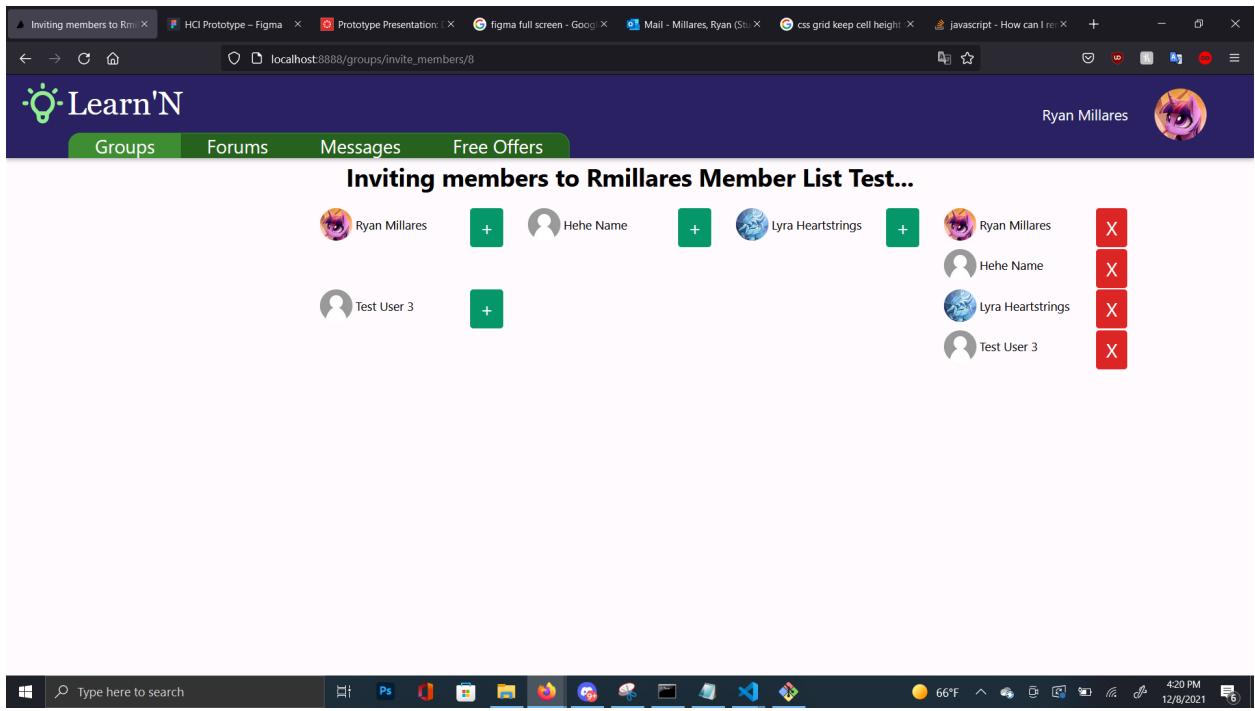
- Progress

- Added drop-down menu functionality for the profile section
- Added site-wide logout feature as part of profile dropdown
- Added messages page (currently empty)
- Fixed bug where scrollbars appeared on divs when not needed
 - Switched overflow from scroll to auto in CSS
- Fixed nextjs Link not working for member lists in groups
 - Removed unnecessary <></> as child of component



12/8/21

- Progress
 - Started group invitation page
 - Successfully maps and display different users in a grid (no searching yet)
 - Can click button to add a user to invite list
- Bugs
 - Rendering issue when deleting users from invite list
 - Array is modified as it should, but React renders incorrectly
 - Invite page grid bugs out when group of invited users falls below bottom of member list grid, causes member list grid to stretch to match



12/9/21

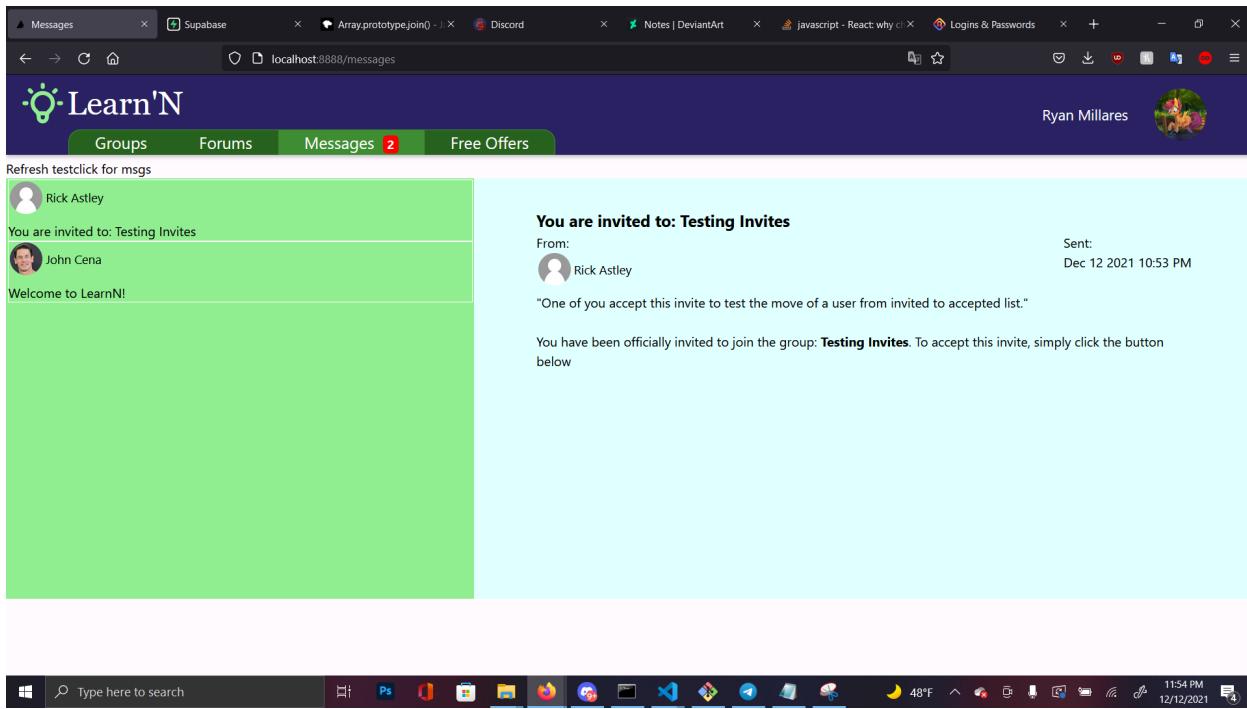
- Progress

- Resolved rendering bug by using a key prop in map
- Successful deploy of website to netlify
- Resolved deploy bug by changing Link import to 'next/link' (lowercase L)
- Added red number unread message indicator to Header
- Added Welcome Message trigger (send welcome message to any new profile created)



12/12/21

- Progress
 - Successfully finished send invite button
 - Confirms number of users and prompts for invite message
 - Only runs function on users not already invited or joined
 - Inserts records in pmessages table to be viewed by invited users
 - Adds names to invited_members field of groupchat record.
 - Formatting and display of message info in messages page
- Bugs
 - NamePicDel component doesn't seem to refresh along with rest of message body (rest does update)
 - Resolved by adding key prop to NamePicDel component call



12/13/21

- Progress

- Finished functionality for receiving group invites and accepting them via messages
 - Accepting an invite moves the accepted member from invited_members to accepted_members
- To do before beta test:
 - Improve CSS layout and appearance of messages page (done)
- Completed backend support of message reading, users can click a message header to view it and it will drop their number of unread notifs.
- Unread messages will appear with thicker border and box shadow, this will go away when clicked to indicate a read message
- Added darker shade of green to background color of msg preview to indicate currently displayed message, if any
 - This darker shade is slightly lighter than the hover:color that shows up on the msg previews

○

- Bugs

- Weird quick error when accepting an invite as the last invited user
 - Resolved with some minor tweaks to the line handler for this condition, switched from checking trim to checking spliced array length

The screenshot shows a web browser window with the URL <https://learn-n-official.netlify.app/messages>. The page title is 'Learn'N'. The top navigation bar has links for Groups, Forums, Messages (with 2 notifications), and Free Offers. A user profile for 'Ryan Millares' is visible on the right. The main content area shows a list of messages. One message from 'Rick Astley' on Dec 12 2021 at 10:53 PM invites 'John Cena' to 'Testing Invites'. Another message from 'John Cena' on Dec 11 2021 at 1:58 PM says 'Welcome to LearnN!'. To the right, a detailed view of the invitation message is shown with a green background. It includes the recipient's name, the invite subject ('You are invited to: Testing Invites'), the sender ('From: Rick Astley'), the send time ('Sent: Dec 12 2021 10:53 PM'), and a note: "'One of you accept this invite to test the move of a user from invited to accepted list.'". A button labeled 'Invalid/Expired Invite' is present.

Windows taskbar: Type here to search, File Explorer, Photoshop, Microsoft Edge, Firefox, File Manager, Task View, Taskbar icons, 58°F, 2:57 PM, 12/13/2021

12/14/21

- Progress
 - Began adding media queries for responsive design on mobile
 - Changed some margins and formatting to get text to stop going all left on mobile

12/15/21

- Progress
 - Fixed visual layout on mobile (margins/overflows)
 - Added responsive_text and img classes to change font sizes based on desktop vs mobile
 - Rearranged group chat items and added media queries to move invited members and accepted members below messages on mobile

12/16/21

- Progress
 - Added large amounts of responsive CSS and classes, removed explicit font-sizes from styles in html and moved them to CSS responsive classes
 - Site is now mostly mobile responsive, save for the foreground popups