

Date	Duration (hours)	Category	Description of completed task	Challenges and/or next steps	Reflection
1/27/25	1	Other	Attended orientation meeting at 10 AM and went over initial information regarding the requirements of the class	Review all additional course handouts and submit my Background Intake Survey	
1/27/25	1	Research, Training, Learning	Researching the Flutter/Dart framework	I have never worked with the Dart/Flutter programming language, so understand the semantics of the language are going to be difficult to fully grasp in the span of the project and the course	
1/27/25	1	Coding	Worked on the project by continuing my progress on front-end development	Needed to ensure all front-end changes reflect the desired designs made in Figma	While I continue to finish the current screens in my project, I need to make sure I am handling state management to store user data throughout the course of the onboarding
1/28/25	1	Supervisor Discussion	Had a zoom meeting with my project manager to see if they are willing to be my supervisor for this project.	Have another zoom meeting to discuss potential schedule changes now that I am starting my spring semester	
1/28/25	0.5	Team Discussion	Had an addition zoom meeting with my team members discussing the projects involvement in my school and changes in schedule that will come as a result	Figuring out a schedule that will comply with the 15+ hour requirement for the course and allow for work outside of the project	
1/29/25	1	Coding	Worked on the main onboarding screens and ensure proper error checking is made in each individual screen	Discussed potentially removing certain onboarding screens that may not be needed or changing them	
1/29/25	2	Coding	Integrating Supabase as our backend into the frontend and implementing functionality to handle user data transferring	I have never used a backend, let alone have to learn PostgreSQL and all of its new changes to the base SQL language	Since I have learned the basics in my CISC 3140 course, I am not fully worried about not understanding anything
1/30/25	1	Team Discussion	Discussed future plans of the project such as in-app purchases, possibility of memberships		
1/31/25	0.5	Design	Redesigning some parts of the figma designs to better fit ongoing changes with the project scope		Ensuring desirable layout changes are made early and not later down the line
1/31/25	2	Testing & Debugging	Testing custom SQL tables through the frontend to ensure proper user data is being sent to the backend	Many, many, MANY bugs were found and need to be addressed	I am getting a little bit more comfortable with PostgreSQL and it works
2/1/25	3	Coding	Made an initial screen for users who first install the app (create account/sign in to existing account)	We need to implement Google Auth for both Android and iOS and Apple Auth for iOS	
2/1/25	1	Research, Training, Learning	Learning about phone number authentication (Twilio and Twilio Verify) and account creation	Never worked on any sort of authenticated application so this is going to be difficult to understand	

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2/2/25	2	Coding	Continued work on the onboarding screens on the frontend and modifying the SQL tables to an ensure they work	New error encountered: "New row violated Row Level Security". Not sure what this is but I know I need to study more	
2/2/25	1	Research, Training, Learning	Looking in Supabase documentation of Row Level Security (RLS) and new policies that need to be made to give permissions to users trying to send data	While the documentation is old, I am still learning a substantial amount about PostgreSQL	Getting even more comfortable with PostgreSQL and how the supabase dashboard works
2/3/25	3	Coding	Finished first half of the onboarding process. Includes name retrieval, date of birth retrieval, and email retrieval. Also includes asking if a user wants to enable notifications	Looking into how permissions are handled for Android since iOS permissions were handled by David	Since I have some knowledge on how permissions work for Android, hopefully this won't be much different for Flutter/Dart
2/4/25	0.5	Supervisor Discussion	Had a zoom meeting with my supervisor ot get approval on the screens that were developed		There were some specific padding, sizing, and margin issues that I need to address
2/4/25	2	Research, Training, Learning	Trying to figure out how to send OTP message via SMS to phone numbers that are creating an accout in the app	I need to register a number that will be used to send the OTP messages. I have no clue how that works but I will be doing more research on the topic	
2/5/25	1	Coding	Fixing padding, sizing, and margin issues that were addressed in my previous zoom meeting with my supervisor		
2/5/25	2	Testing & Debugging	After enabling phone authentication in supabase, I am testing their built in OTP sign up function and OTP code verification	Received a bunch of errors, specifially that the phone numbers aren't being processed properly. the format was not correct	
2/6/25	0.5	Research, Training, Learning	Researched PinCodeFields and INTL Phone Number Input packages on pub.dev for better phone number input and OTP code verification	Figuring out the package functions and how to render them properly was difficult, but they have great documentation on how to use them so hopefully wont be that bad	Hopefully these packages address the number formatting issues I was getting before
2/6/25	2	Coding	Implementing the previously mentioned packages into the onboarding screens		Reading the documentation on the packages made the implementation process much smoother
2/7/25	1	Team Discussion	Since the onboarding flow is at the halfway point and nearing completion, I discussed with David how to better divide the workload moving foward for the front and back end		David will work on coding the remaining onboarding screens for now while I manage more of the supabase PostgreSQL tables
2/8/25	3	Coding	Fully functioning phone number account creation with OTP code verification. Helping David with the remaining onboarding screens since I finished my task		
2/9/25	2	Team Discussion	Worked with David on completing the Project Proposal Survey		

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2/10/25	3	Research, Training, Learning	Learning how to implement Google Authentication with Google Cloud Platform and how to integrate it into supabase	I have no clue where to start. Supabase has some tutorials but they are outdated	
2/11/25	1.5	Documentation	We are creating reusable components that we want to create documentation on, so me and David worked on making sure the documentation on these components makes sense for some else to read how they work		
2/12/25	1	Testing & Debugging	After going through the onboarding flow ourselves, me and David noticed some bugs that needed to be addressed		David is very knowledgeable on the Flutter framework so he worked out the frontend bugs while I worked on some bugs in the SQL table code
2/13/25	2	Coding	Fixing the bugs we found in the onboarding process. Mainly some things that didn't exactly align with the Figma designs we were given and some buttons that didn't have or had buggy functionality	The buttons that had buggy functionality were ones that were uploading user images. I am still not super confident in my implementation of the supabase buckets and how to store and retrieve data so this may take some time to debug	Once again supabase has some documentation on how to properly implement their buckets but it is out of date. Looking at stack overflow and other programming forums will likely have the answers I need
2/15/25	2	Supervisor Discussion	Had a zoom meeting with our supervisor about what design documentation me and David can use for the diagram deliverable		
2/16/25	3	Team Discussion	Worked on Diagram deliverable with David and filling out our timelogs		
2/17/25	3	Coding	Fixed onboarding bugs and got Google Authentication WORKING on both Android and iOS!!!! Now moving on the actual main screen (visible profiles, likes, messages, and user settings)		Roughly two weeks of work to figure out why the Android side wasn't working. Turns out it was because of the release and debug keys that were pre-made by Flutter when the project was first made
2/18/25	2.5	Coding	David worked on developing settings screens, messaging screens, and game screens while I worked on the navigation between those screens	We have four main screens (profiles, likes, messages, and user settings). Our approach was to have a single bottom navigation bar while those four screens would populate the body of the bottom navigation	
2/20/25	1	Team Discussion	Missed a day of working because I felt ill so I talked with David about where we left off and anything I missed		
2/20/25	3	Coding	Creating re-usable components for profiles (main profile card with user specified data to be shown, and prompt cards with funny prompts a user might create)		

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2/21/25	1	Supervisor Discussion	Had a zoom meeting with our supervisor about what information me and David could include in the project tools survey deliverable	Had to make a GitHub repository and Clickup management board on the fly because of the NDA	
2/22/25	3	Testing & Debugging	Testing random profile retrieval to show temp profile data made in supabase (Mine and David's account we made to test the onboarding process)	Once again supabase has documentation on how to get random profiles but all of it is out of date.	Since I've been working with the supabase API for a while now, I fortunately know what to do to make it up to date and work properly with our project
2/23/25	1	Research, Training, Learning	Researching best practices of using supabase realtime with Postgres table changes and how to read those changes through the Flutter framework		Probably one of the only documentation pages that is up to date so not much work to have to update on my end
2/23/25	2	Team Discussion	Worked on project tools survey deliverable with David. Updating time logs, updating slides to include our own git repo and project management tool since we can't share the actual project's code		
2/24/25	2	Coding	Random profile retrieval partially working. There seems to be an issue with the retrieval of profile images and their load times since they are hosted through supabase	Need to figure out how to optimize the photo uploads so that image retrieval will be faster	Looking into this package from pub.dev: https://pub.dev/packages/cached_network_image . This will load images from the initial opening of the app so load times can be even more efficient
2/25/25	3	Supervisor Discussion	Discussed with supervisor about what me and David could show in the 5 minute long video for the survey		
2/26/25	1	Research, Training, Learning	Continued looking in the cached_network_image package with David on exactly to pre loading user images when the app initially loads	We first want to get user image retrieval first before actually implementing the cached images	
2/26/25	2	Coding	Reworking profile image retrieval code because for some reason RLS is enable by default on supabase storage		Another up-to-date documentation page from supabase. That's 2 for 2
2/27/25	2	Testing & Debugging	Testing RLS policies to supabase storage for our 'profiles' buckets. This bucket will contain folder associated with a specific user's id and will contain all of their uploaded photos and later on, drawings when sending a match		
2/28/25	3	Team Discussion	Worked on project video deliverable with David.	Our video went over by 1 minute but we wanted to show what we were allowed to show in the video	
3/1/25	2	Coding	RLS policies are seems to be working (didn't receive any errors when applying them). Reworking profile image retrieval code		David created a SUPER useful image processor to handle pretty much all image related processes between the front and back end. NEAT!

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