# Week 9 – Henry Kirykovich – Retrospective

## Sprint Retrospective

### What was my focus?

My focus this sprint was to enhance the WellMind app by improving the mood tracking experience, integrating reminders, and refining the chart and layout.

### What can I take away from the sprint as a lesson to learn and grow from?

I improved my understanding of user-specific data queries in Supabase, and I also explored how to use react-native-chart-kit for rendering mood changes visually. I gained experience building a real-world feature like push notifications.

### What were my challenges?

Some of the challenges included:  
- Push notifications not working in Expo Go (SDK 53 issue)  
- Displaying a readable and responsive mood graph for multiple time ranges  
- Preventing layout overlap with navigation elements

### What can I change for the next sprint to improve my delivery or team outcome?

For the next sprint:  
- I will test on a physical device with a dev build sooner  
- I will structure shared logic (like reminders) into reusable hooks or context  
- I’ll improve time estimation and set smaller achievable goals per day

## Project Journal

### Tasks Completed

- Replaced mood values (1, 2, 3) with text labels: "Sad", "Neutral", "Happy" (with ChatGPT)  
- Disabled emojis and rewrote legend with clear meanings under chart (with ChatGPT)  
- Added white background to mood legend for clarity (with ChatGPT)  
- Integrated push notification reminder using expo-notifications (with ChatGPT)  
- Connected notification logic to Supabase query to read latest mood (with ChatGPT)  
- Applied mood filtering based on authenticated user ID (with ChatGPT)  
- Adapted mood chart x-axis label visibility depending on selected range (week/month/all) (with ChatGPT)  
- Fixed layout issues with tab bar overlay on Android (with ChatGPT)  
- Committed changes and created PR to upstream team repo (with ChatGPT)

### Time Tracked

- Mood graph UI update (0.5 hours)  
- Mood label mapping and legend (0.5 hours)  
- Push notification implementation (0.5 hours)  
- Supabase mood filtering (0.5 hours)  
- Chart scaling and label formatting (0.5 hours)  
- Tab layout fixes (0.5 hours)  
- Git push + PR to upstream (0.5 hours)  
- Code review and cleanup (0.5 hours)

### Links to Deliverables

- PR: https://github.com/karilaa-dev/dev272-finalProject/compare/development...HenryKirykovich:development  
- Chart component: app/(tabs)/mood-graph.tsx  
- Push reminder: components/MoodReminder.tsx  
- Supabase filtering: implemented in all mood-related fetch queries  
- Local commit example: commit abc123 - update mood graph with labels (with ChatGPT)