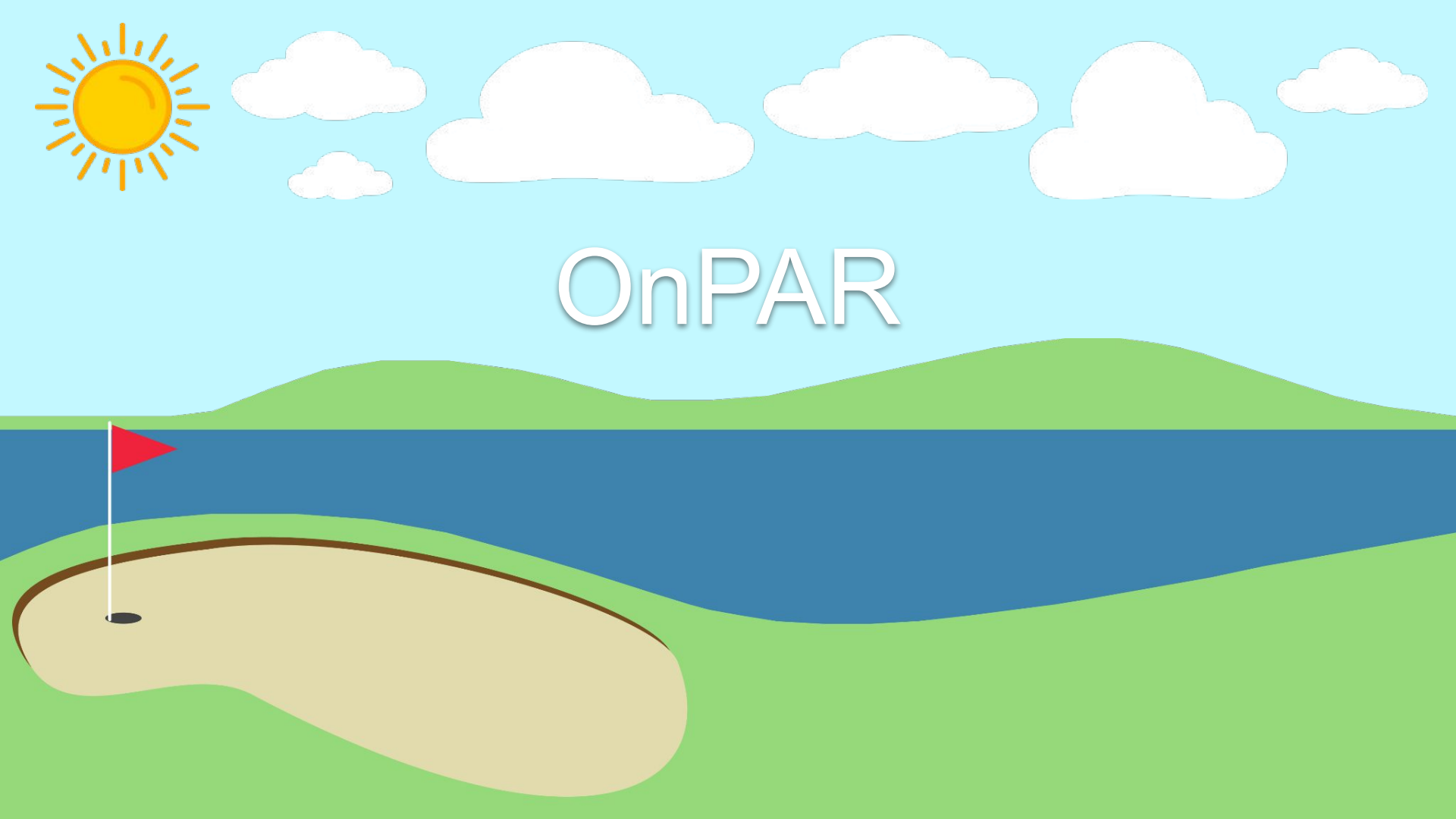

OnPAR

Team Members

Haresh Palli
(Project Manager)

Ian Beller
(Mobile)

Alex Fowler
(API)

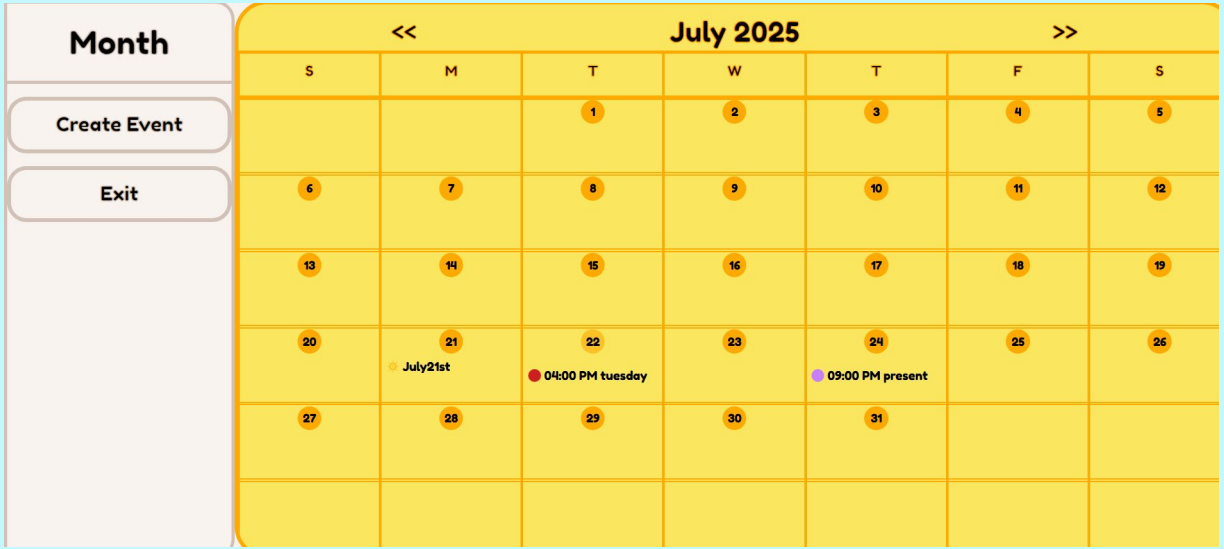
Sebastian Sotomayor
(Database)

Chris Tuckman
(API)

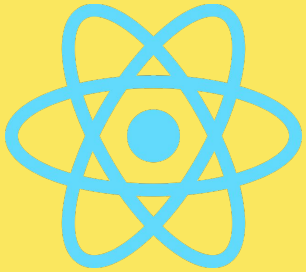
Andres Castro
(Frontend)

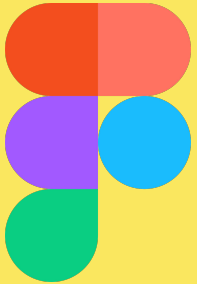
What is OnPAR?

- Calendar app
- Users can make an account to manage their events
- Journal feature for daily reflection



Technology Used





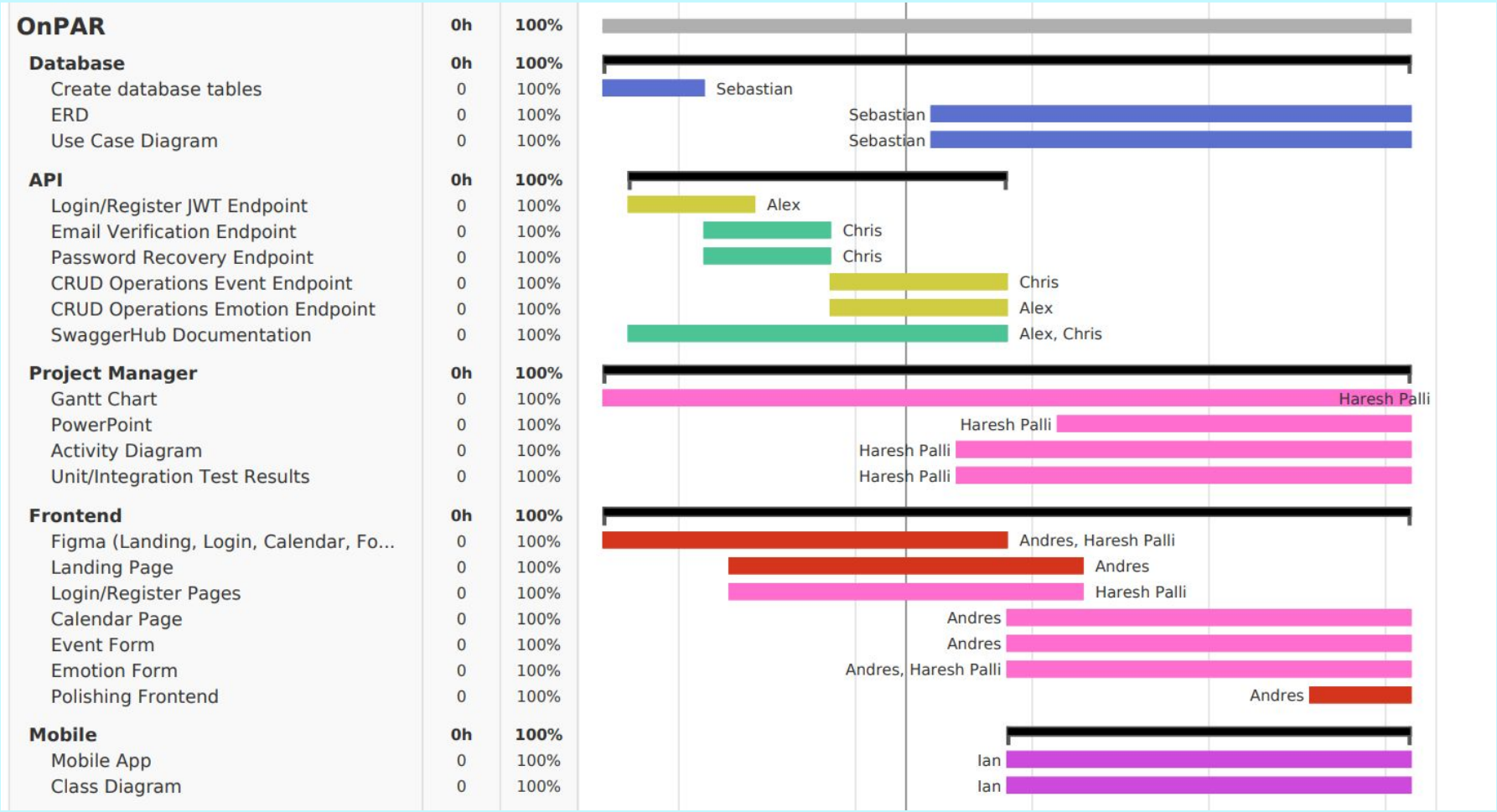
Project Manager

Tasks:

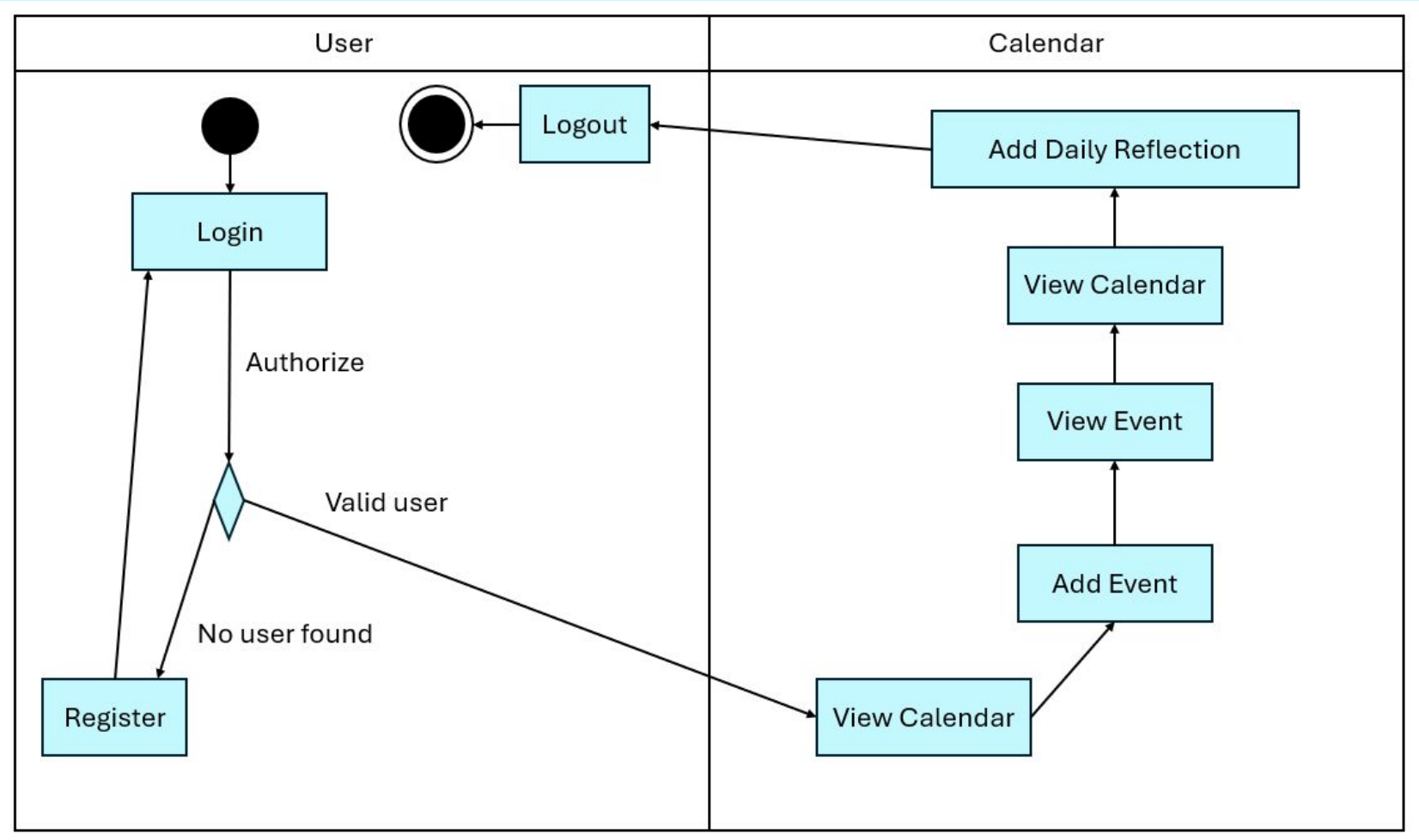
- Keep everything organized and on track
- Work on various aspects of project

Experience gained:

- React, Flutter, API
- Team leadership

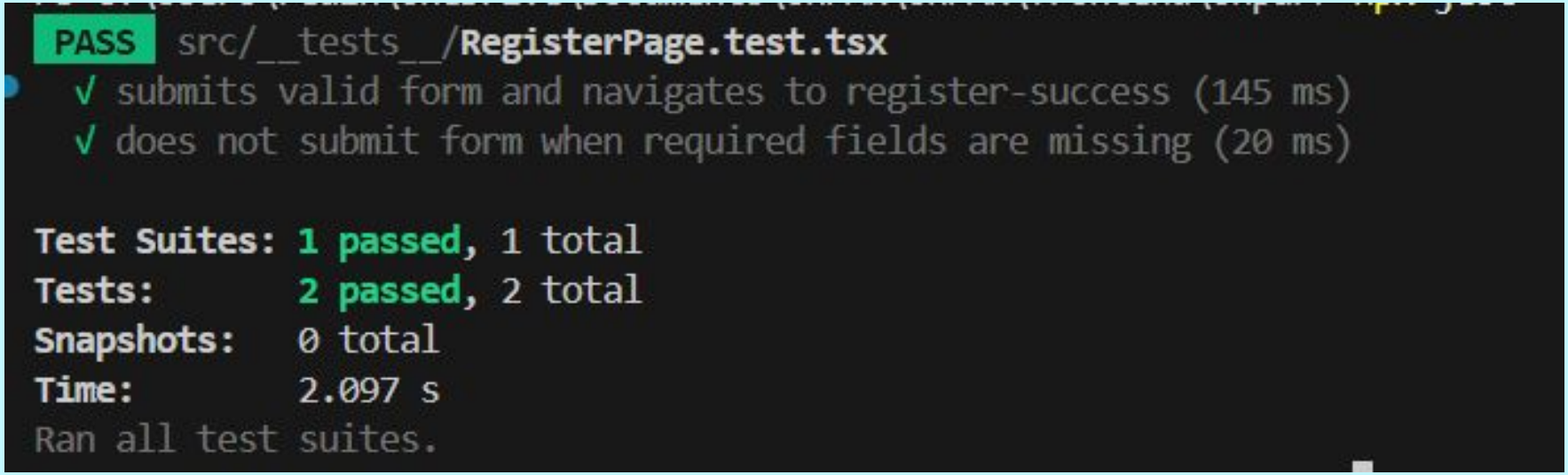

OnPAR 0h 100%
Database 0h 100%
Create database tables 0 100% Sebastian
ERD 0 100% Sebastian
Use Case Diagram 0 100% Sebastian
API 0h 100%
Login/Register JWT Endpoint 0 100% Alex
Email Verification Endpoint 0 100% Chris
Password Recovery Endpoint 0 100% Chris
CRUD Operations Event Endpoint 0 100% Chris
CRUD Operations Emotion Endpoint 0 100% Alex
SwaggerHub Documentation 0 100% Alex, Chris
Project Manager 0h 100%
Gantt Chart 0 100% Haresh Palli
PowerPoint 0 100% Haresh Palli
Activity Diagram 0 100% Haresh Palli
Unit/Integration Test Results 0 100% Haresh Palli
Frontend 0h 100%
Figma (Landing, Login, Calendar, Fo... 0 100% Andres, Haresh Palli
Landing Page 0 100% Andres
Login/Register Pages 0 100% Haresh Palli
Calendar Page 0 100% Andres
Event Form 0 100% Andres
Emotion Form 0 100% Andres, Haresh Palli
Polishing Frontend 0 100% Andres
Mobile 0h 100%
Mobile App 0 100% Ian
Class Diagram 0 100% Ian

Gantt Chart



Activity Diagram

Unit Testing Demonstration



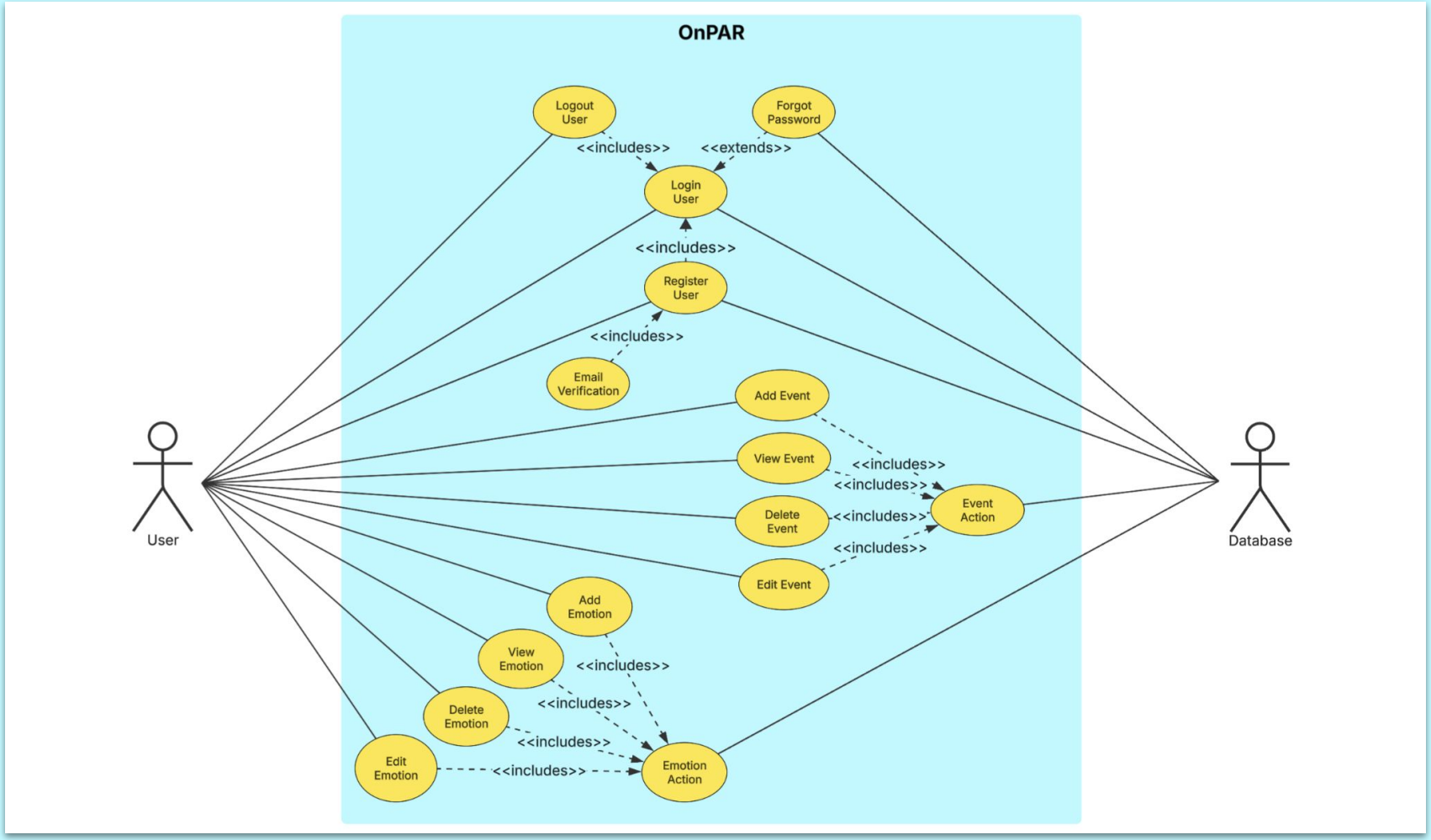
Database

Tasks:

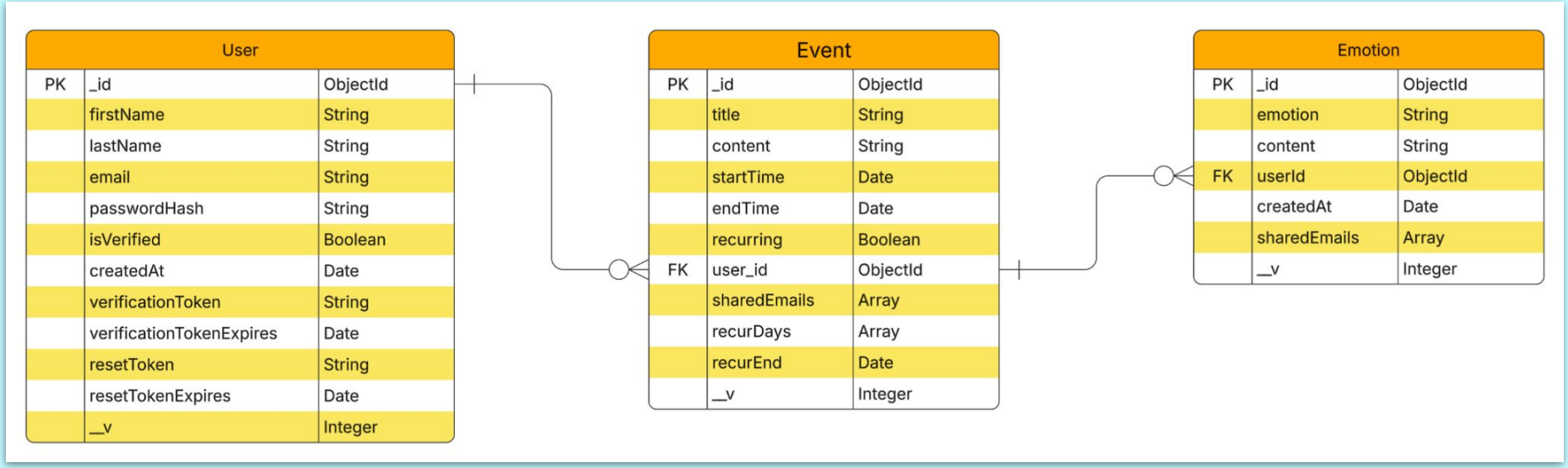
- Create database and define schemas
- Entity Relationship Diagram
- Use Case Diagram

Experience gained:

- MongoDB
- Node.js, Mongoose library



Use Case Diagram


User
PK _id ObjectId
firstName String
lastName String
email String
passwordHash String
isVerified Boolean
createdAt Date
verificationToken String
verificationTokenExpires Date
resetToken String
resetTokenExpires Date
__v Integer
Event
PK _id ObjectId
title String
content String
startTime Date
endTime Date
recurring Boolean
FK user_id ObjectId
sharedEmails Array
recurDays Array
recurEnd Date
__v Integer
Emotion
PK _id ObjectId
emotion String
content String
FK userId ObjectId
createdAt Date
sharedEmails Array
__v Integer

ERD

API

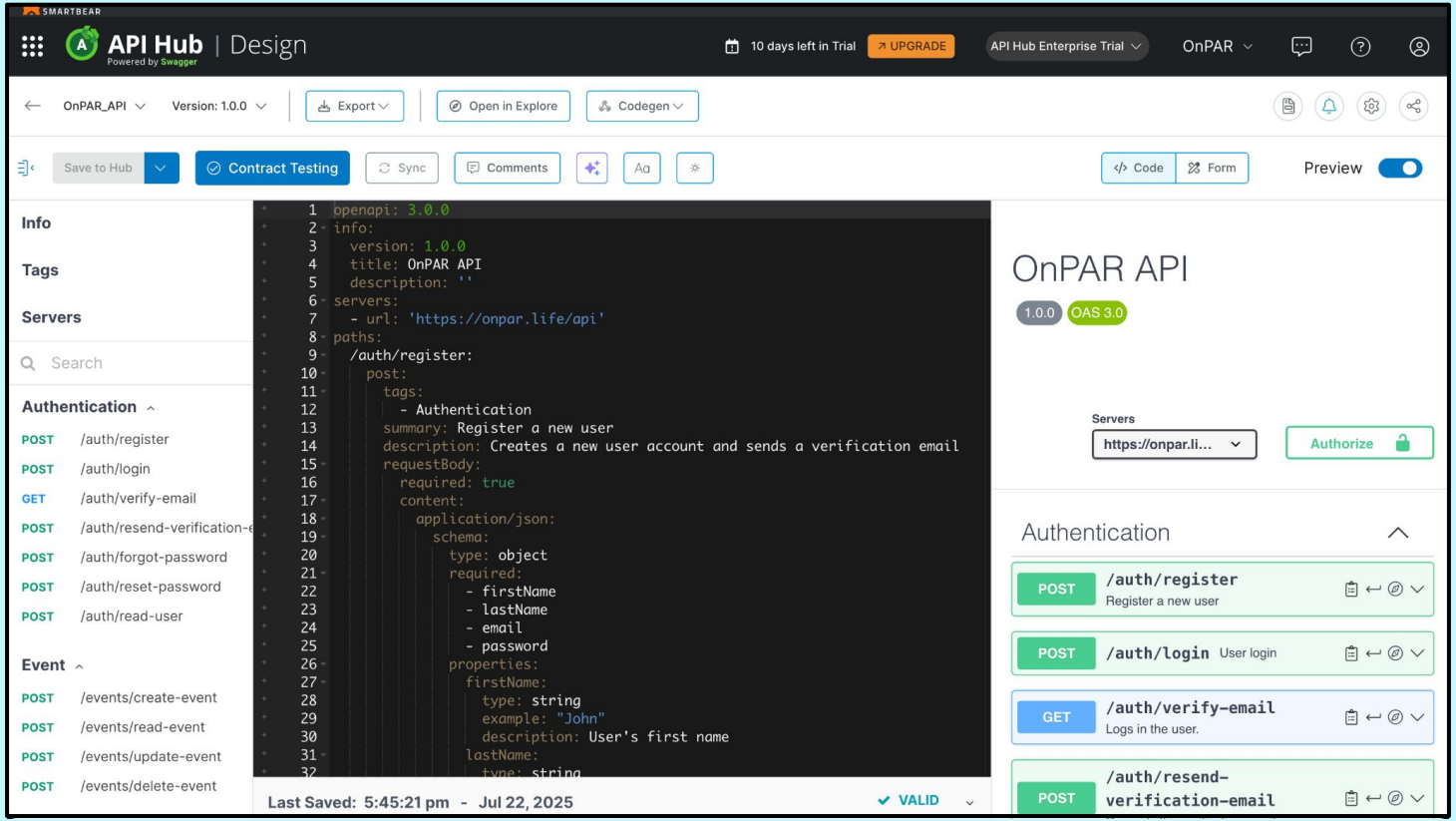
What Went Well ✅

- Swaggerhub was intuitive
- Good separation of tasks between API members
- Lots of documentation for learning Javascript

What Went Wrong ❌

- A lot more to learn about Javascript
- Setting up email system had some challenges, email went to spam

API SwaggerHub Demonstration



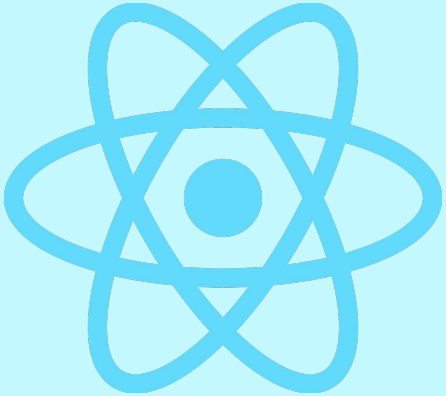
Frontend

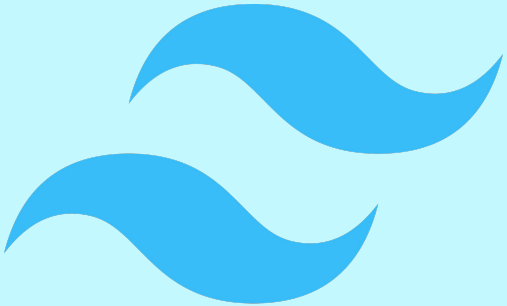
Tasks:

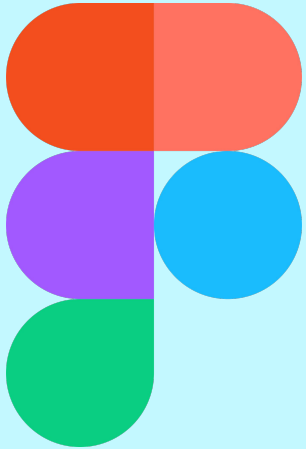
- Create login/register pages
- Create calendar/emotion functionality
- Create different themes and style website

Experience gained:

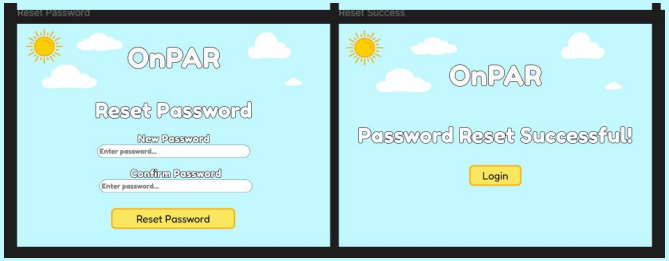
- React, Tailwind CSS, Figma

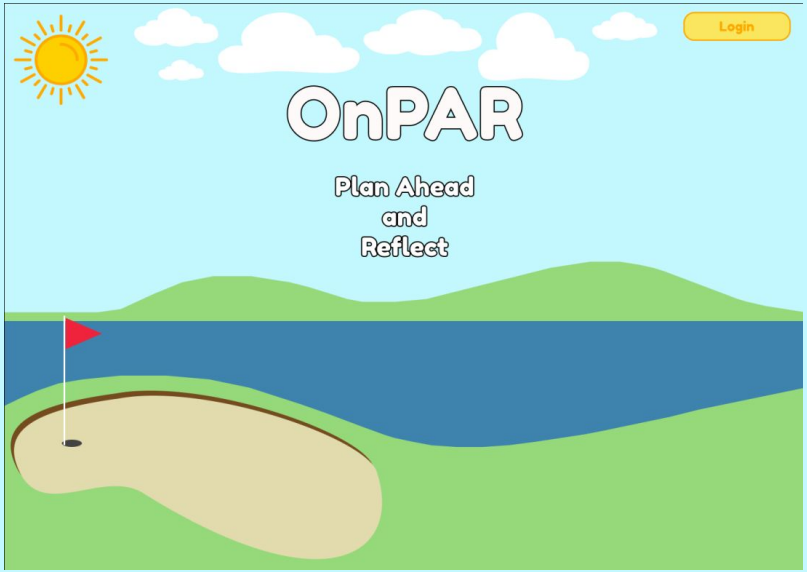


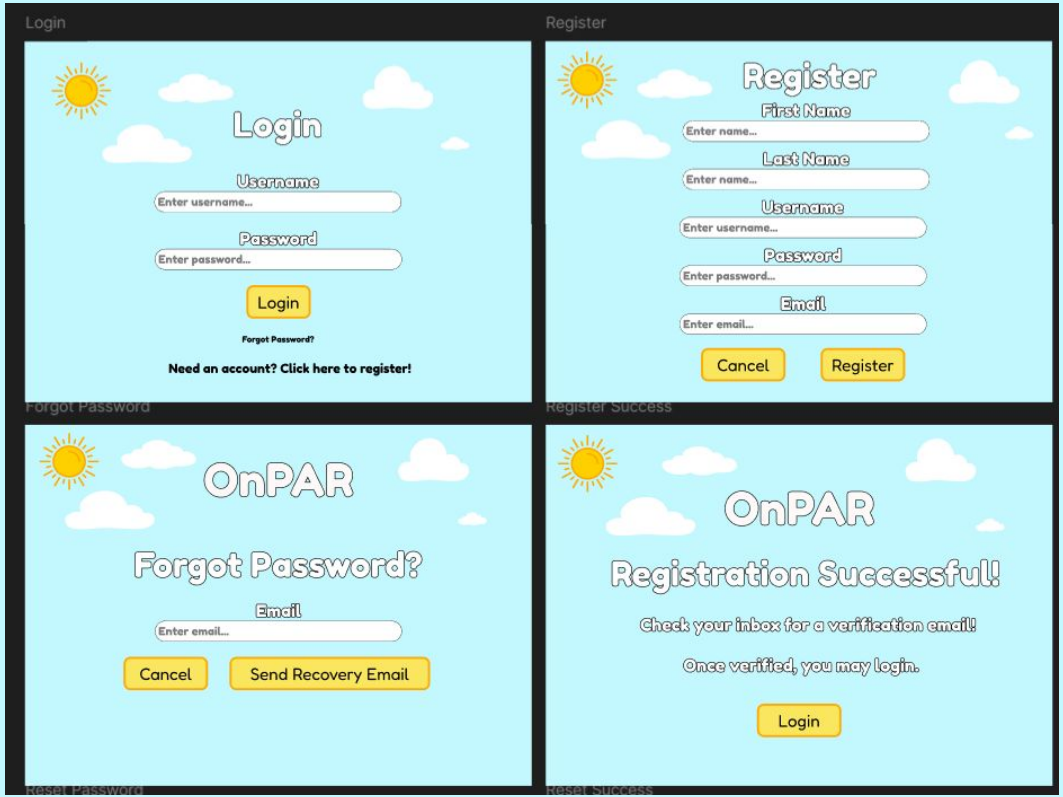




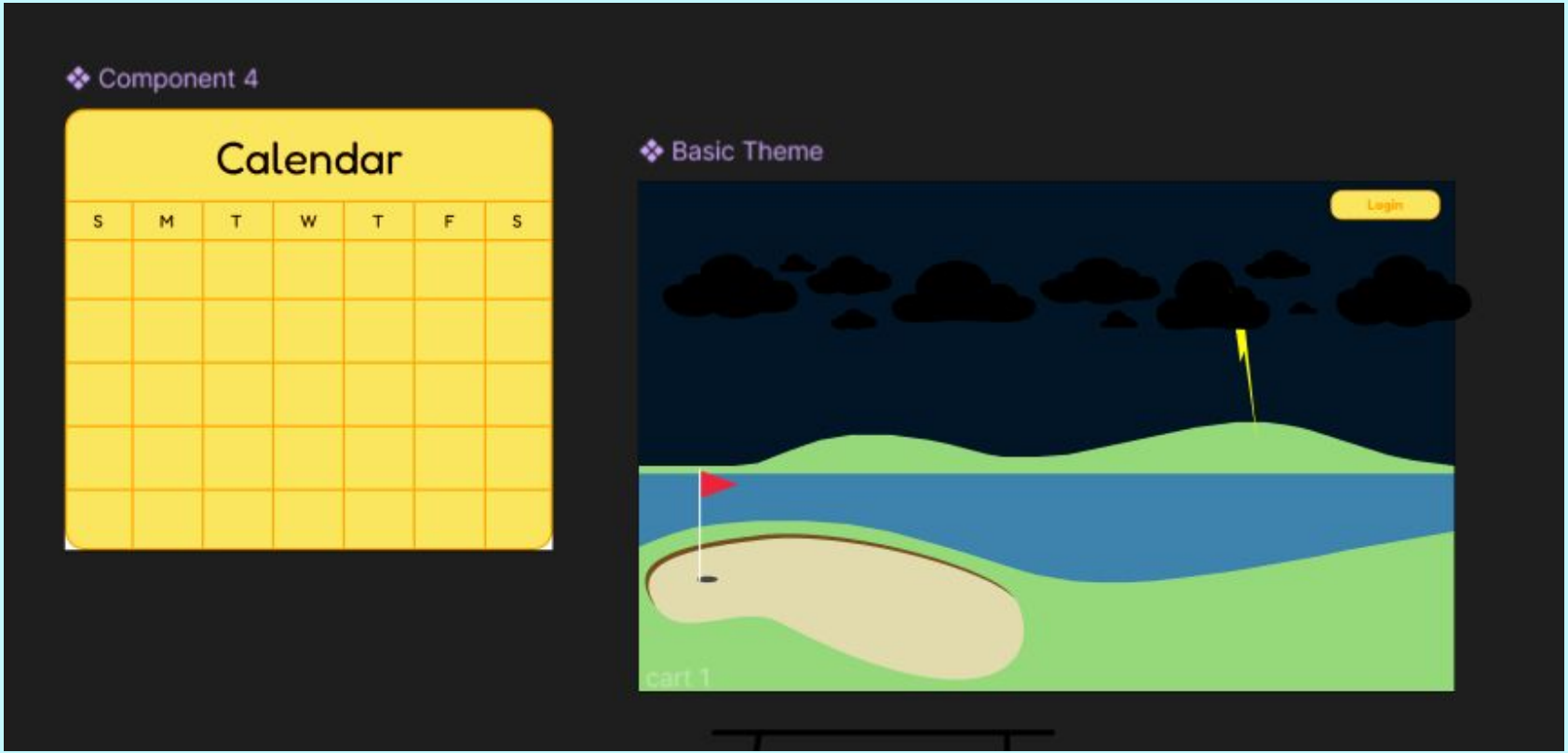
Figma Prototypes

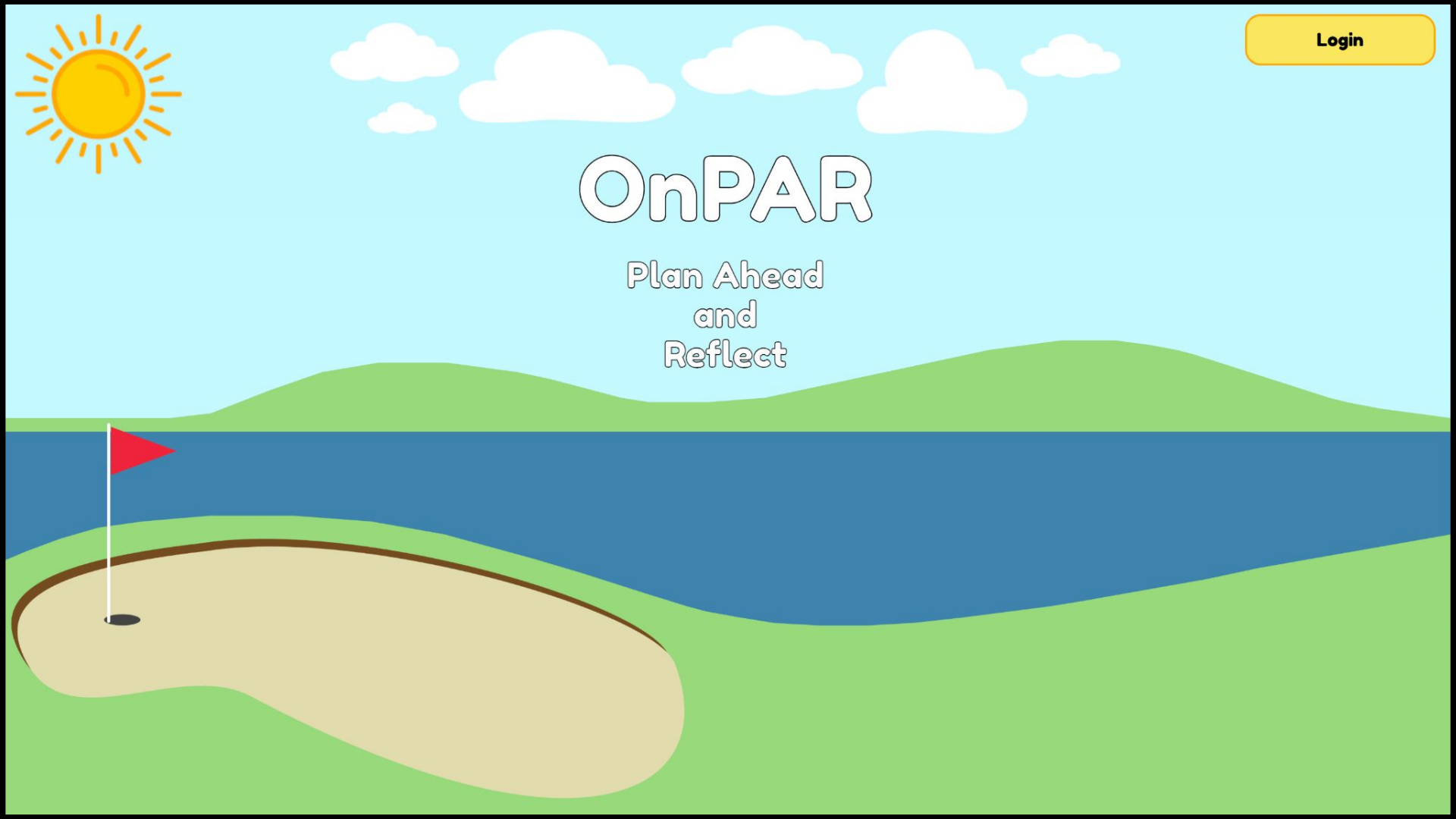




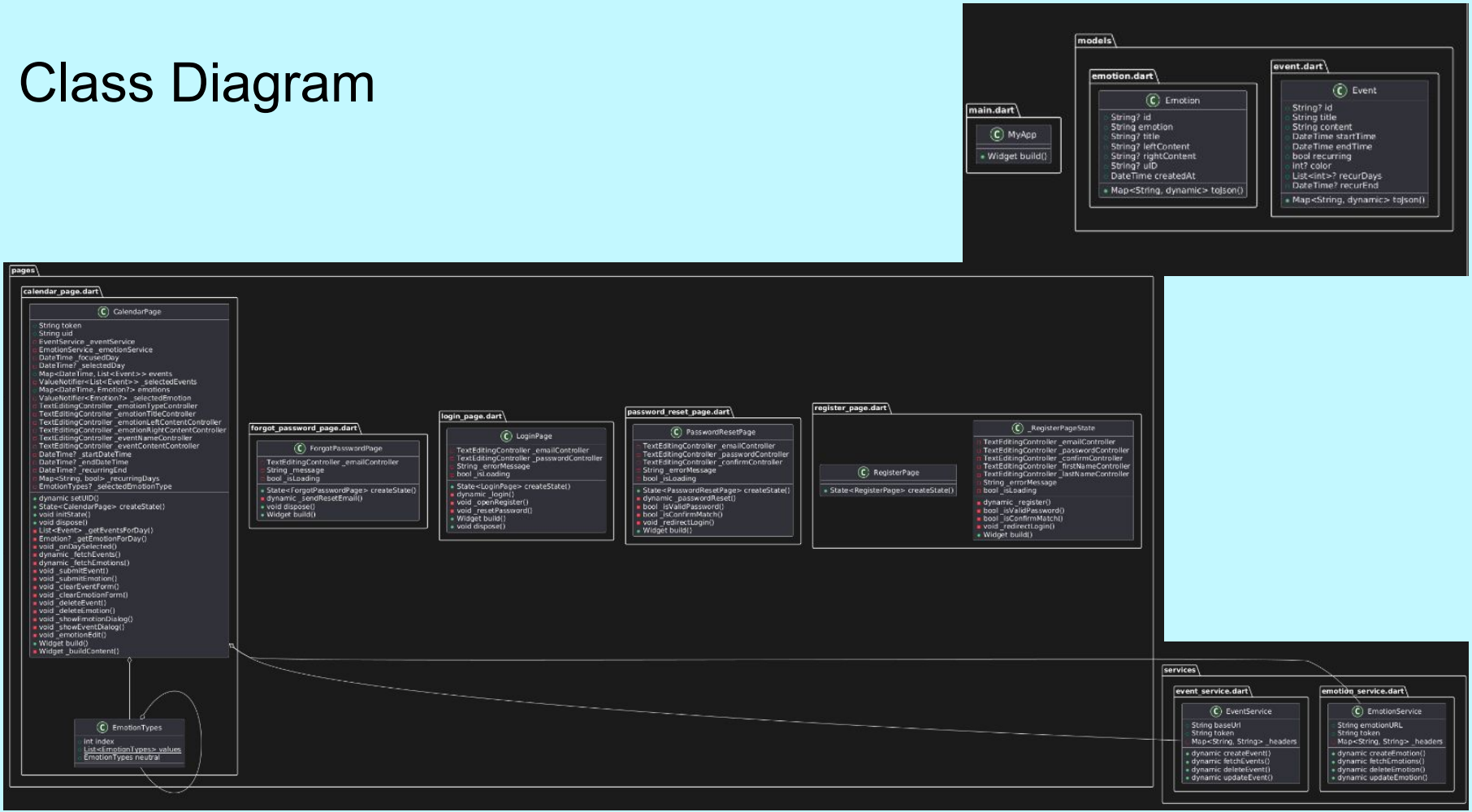


Figma Prototypes




Login
OnPAR
Plan Ahead
and
Reflect

Mobile

- Flutter Application that emulated the functionality of the Web Application
- Dart was difficult to pick up initially
- Worked on function before form
- Organization and styling assistance

Class Diagram