



OnPAR



# Team Members



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(Project Manager)



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(Mobile)



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(API)



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(Database)



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(API)



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(Frontend)

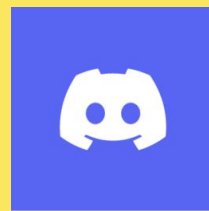
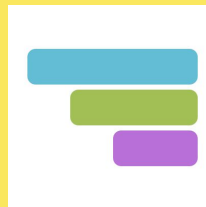
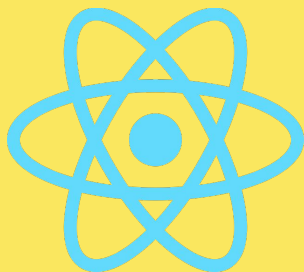
# What is OnPAR?

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



Month	<< July 2025 >>						
	S	M	T	W	T	F	S
Create Event			1	2	3	4	5
Exit	6	7	8	9	10	11	12
	13	14	15	16	17	18	19
	20	21 July 21st	22 04:00 PM tuesday	23	24 09:00 PM present	25	26
	27	28	29	30	31		

# 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

### Database

- Create database tables
- ERD
- Use Case Diagram

### API

- Login/Register JWT Endpoint
- Email Verification Endpoint
- Password Recovery Endpoint
- CRUD Operations Event Endpoint
- CRUD Operations Emotion Endpoint
- SwaggerHub Documentation

### Project Manager

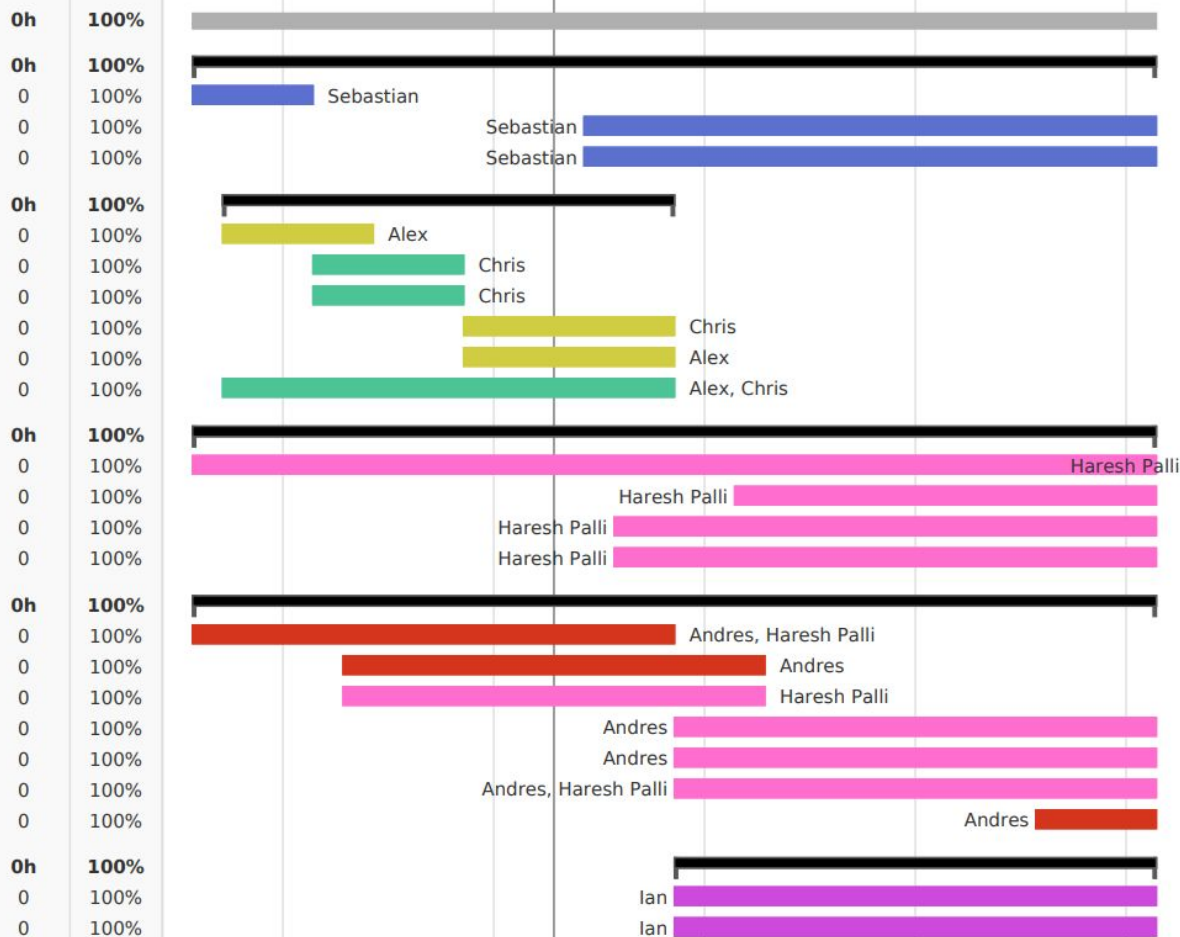
- Gantt Chart
- PowerPoint
- Activity Diagram
- Unit/Integration Test Results

### Frontend

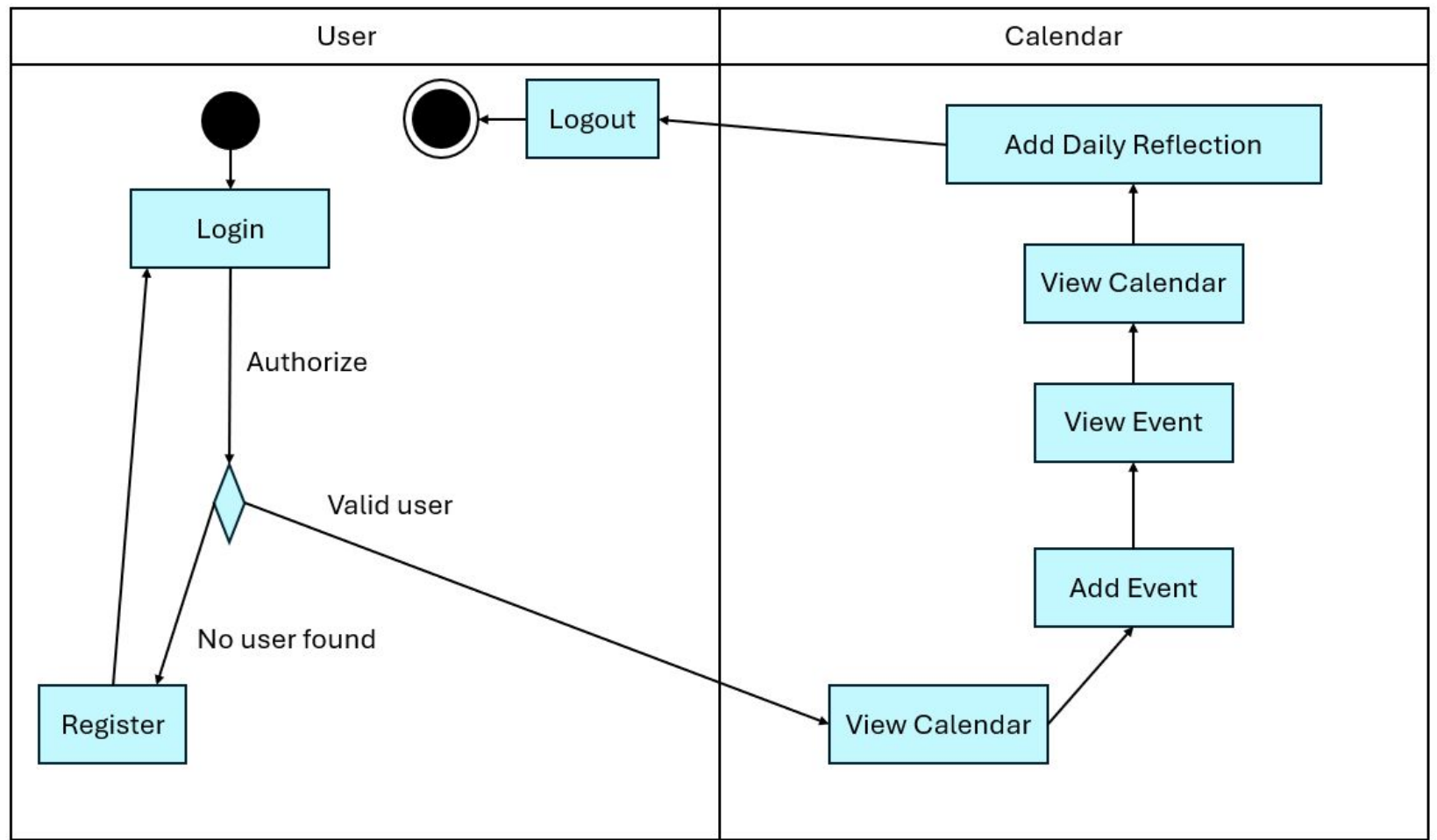
- Figma (Landing, Login, Calendar, Fo...)
- Landing Page
- Login/Register Pages
- Calendar Page
- Event Form
- Emotion Form
- Polishing Frontend

### Mobile

- Mobile App
- Class Diagram



## Gantt Chart



**Activity Diagram**

# Unit Testing Demonstration

**PASS** src/\_\_tests\_\_/RegisterPage.test.tsx

- ✓ submits valid form and navigates to register-success (145 ms)
- ✓ does not submit form when required fields are missing (20 ms)

**Test Suites:** 1 passed, 1 total

**Tests:** 2 passed, 2 total

**Snapshots:** 0 total

**Time:** 2.097 s

Ran all test suites.



# Database

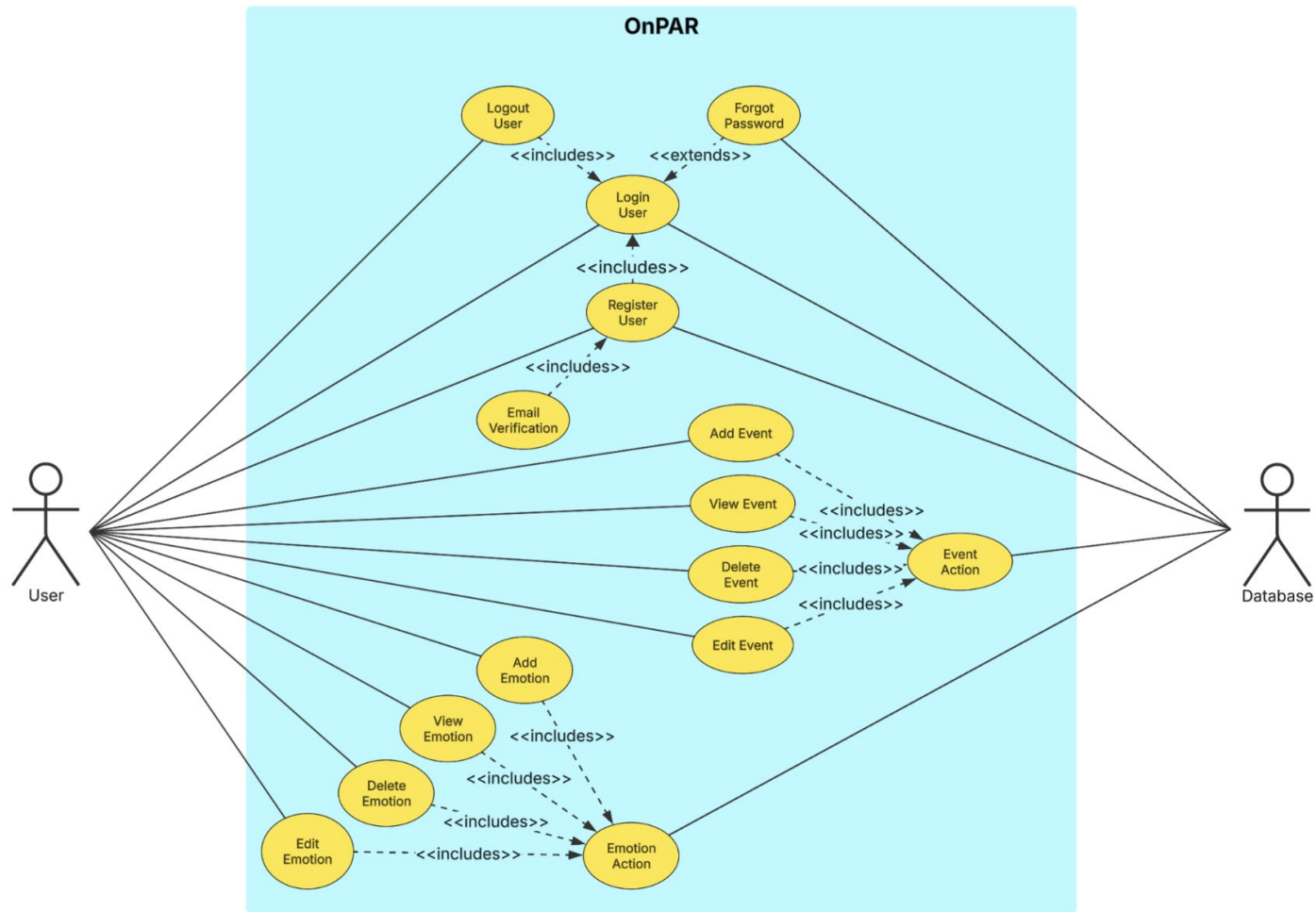
## Tasks:

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

## Experience gained:

- MongoDB
- Node.js, Mongoose library



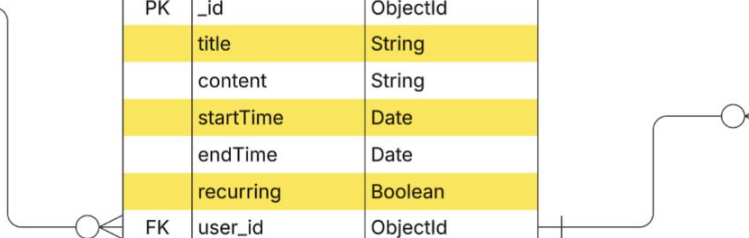


**Use Case Diagram**

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



# 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

The screenshot displays the SwaggerHub interface for the OnPAR API. The top navigation bar includes the API Hub logo, a trial status indicator (10 days left), and options to upgrade or view the API Hub Enterprise Trial. The main interface is divided into three sections: a left sidebar with navigation links (Info, Tags, Servers, Search, Authentication, Event), a central editor showing the OpenAPI 3.0.0 specification, and a right sidebar with a summary and a list of endpoints.

**API Specification (OpenAPI 3.0.0):**

```
1 openapi: 3.0.0
2 info:
3   version: 1.0.0
4   title: OnPAR API
5   description: ''
6 servers:
7   - url: 'https://onpar.life/api'
8 paths:
9   /auth/register:
10    post:
11      tags:
12        - Authentication
13      summary: Register a new user
14      description: Creates a new user account and sends a verification email
15      requestBody:
16        required: true
17        content:
18          application/json:
19            schema:
20              type: object
21              required:
22                - firstName
23                - lastName
24                - email
25                - password
26              properties:
27                firstName:
28                  type: string
29                  example: "John"
30                  description: User's first name
31                lastName:
32                  type: string
```

**API Summary:**

- OnPAR API** (1.0.0, OAS 3.0)
- Servers:** <https://onpar.life/api> (Authorize)
- Authentication**

**Endpoints:**

- POST /auth/register**: Register a new user
- POST /auth/login**: User login
- GET /auth/verify-email**: Logs in the user.
- POST /auth/resend-verification-email**

**Event**

- POST /events/create-event**
- POST /events/read-event**
- POST /events/update-event**
- POST /events/delete-event**

**Footer:** Last Saved: 5:45:21 pm - Jul 22, 2025 (VALID)

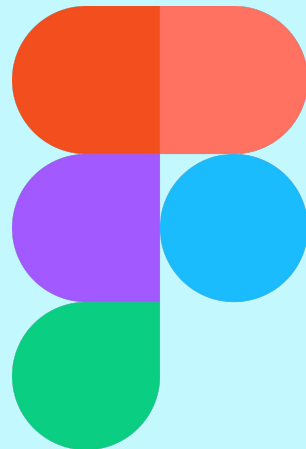
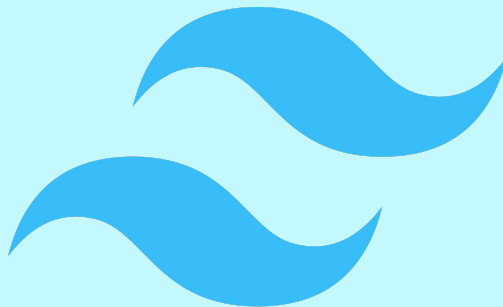
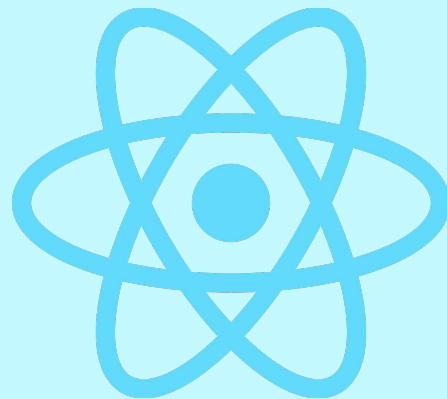
# Frontend

## Tasks:

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

## Experience gained:

- React, Tailwind CSS, Figma



# Figma Prototypes


The image displays two side-by-side screenshots of the OnPAR web application interface, showing the password reset process.

**Left Screenshot: Reset Password Page**





- Header:** The page title is "Reset Password".
- Logo:** The OnPAR logo is displayed in the center.
- Section Header:** The main heading is "Reset Password".
- Form Fields:**
  - New Password:** A text input field with the placeholder text "Enter password...".
  - Confirm Password:** A text input field with the placeholder text "Enter password...".
- Button:** A yellow button labeled "Reset Password" is located at the bottom.

**Right Screenshot: Reset Successful Page**

- Header:** The page title is "Reset Successful".
- Logo:** The OnPAR logo is displayed in the center.
- Section Header:** The main heading is "Password Reset Successful!".
- Button:** A yellow button labeled "Login" is located at the bottom.

The image shows the title screen of the OnPAR program. At the top left is a bright yellow sun with rays. The sky is light blue with several white, fluffy clouds. In the top right corner, there is a yellow rectangular button with the word "Login" in black text. The title "OnPAR" is displayed in the center in a large, white, rounded font with a black outline. Below the title, the words "Plan Ahead and Reflect" are written in a smaller, black, rounded font. The background features a stylized landscape with green rolling hills, a blue body of water, and a sandy golf green in the foreground with a red flag on a white pole.

Login



Login

Username

Enter username...

Password





Enter password...

Login

Forgot Password?

Need an account? Click here to register!

Register



Register

First Name

Enter name...

Last Name

Enter name...

Username

Enter username...

Password





Enter password...

Email

Enter email...

Cancel

Register



OnPAR





Forgot Password?

Email

Enter email...

Cancel

Send Recovery Email



OnPAR

Registration Successful!

Check your inbox for a verification email!

Once verified, you may login.

Login

# Figma Prototypes

❖ Component 4



❖ Basic Theme

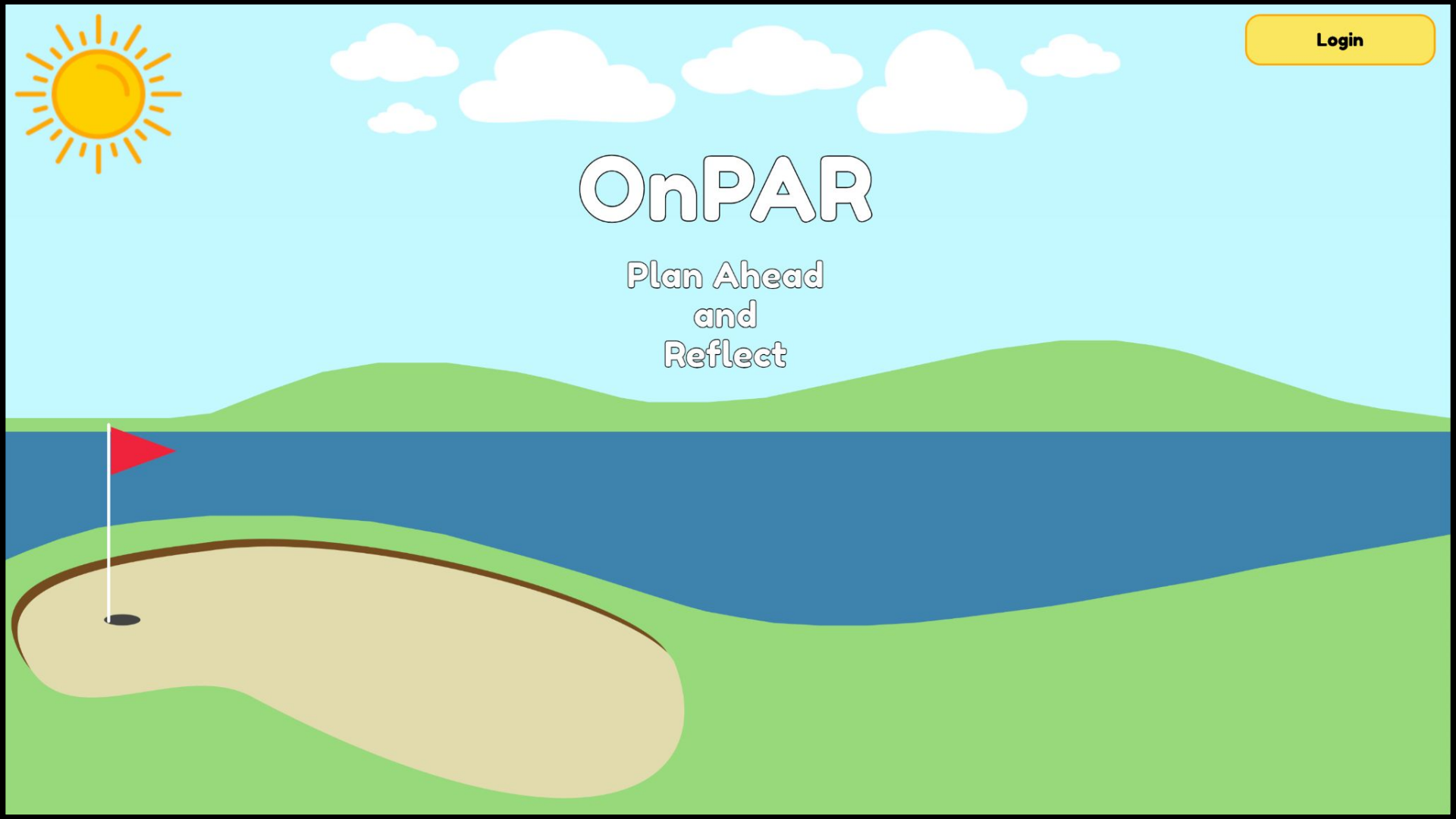




Login

# 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

