

HYP02 Web Management Portal

Olympic Developers

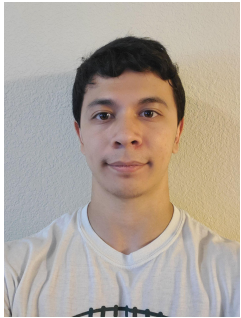
Team Introduction



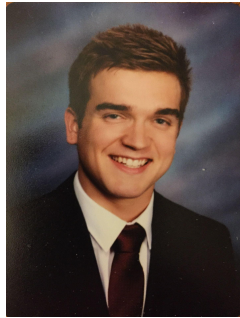
Project Title: Olympic Sport Training Camp Management Portal

Team Mentor: Melissa Rose

Developers:



Jason Gaglione



Collin Rampata



Peter Galvan



Camden Hortline

Introduction to HYP02

HYP02 is a high altitude training center for world class athletes.



Sean Anthony
Founder and CEO
of HYP02



Importance of HYP02

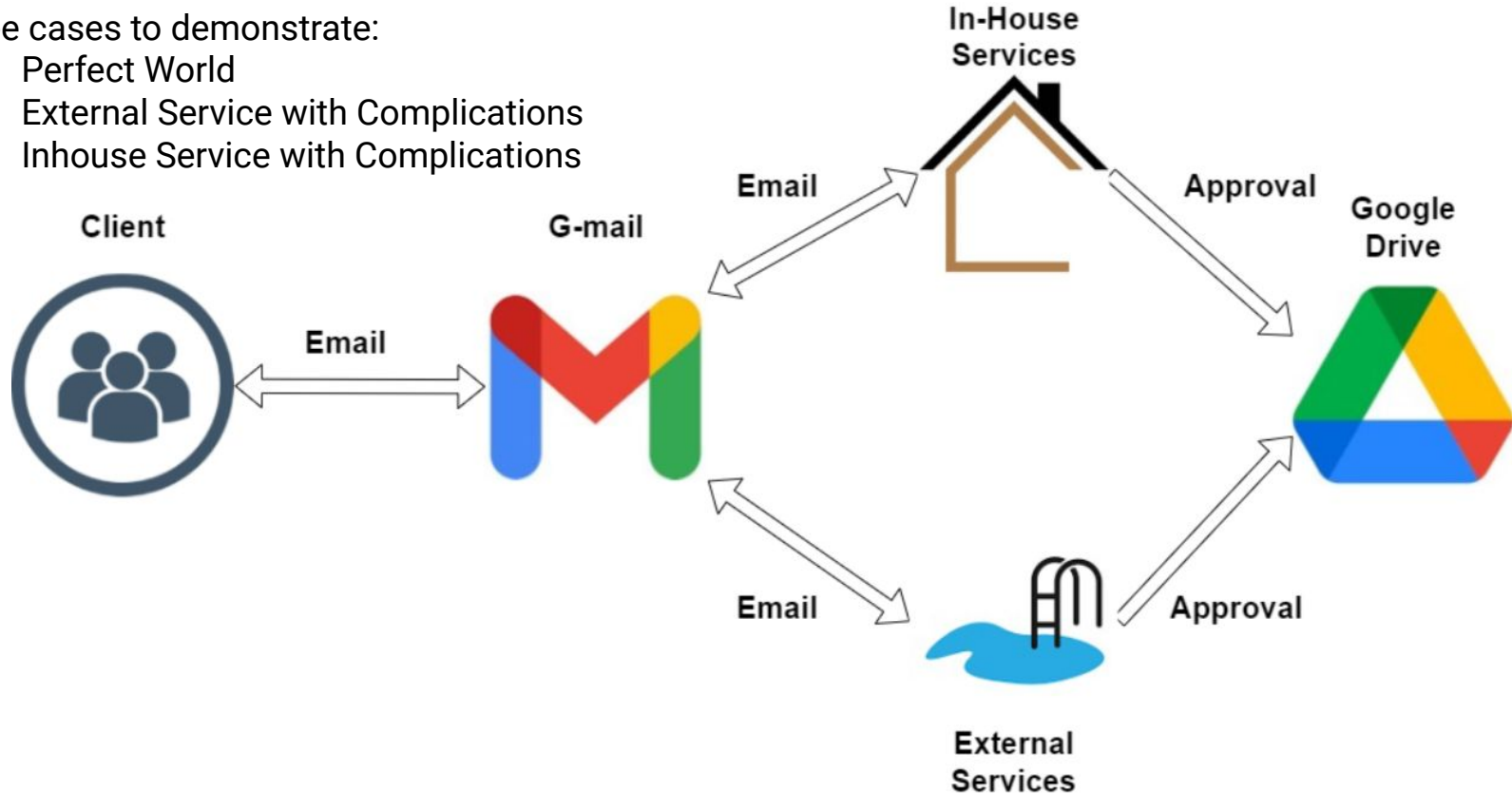
- 40 plus countries have traveled to HYP02 training camps
- 85 medals have been received over the last 2 Olympics by HYP02 clients



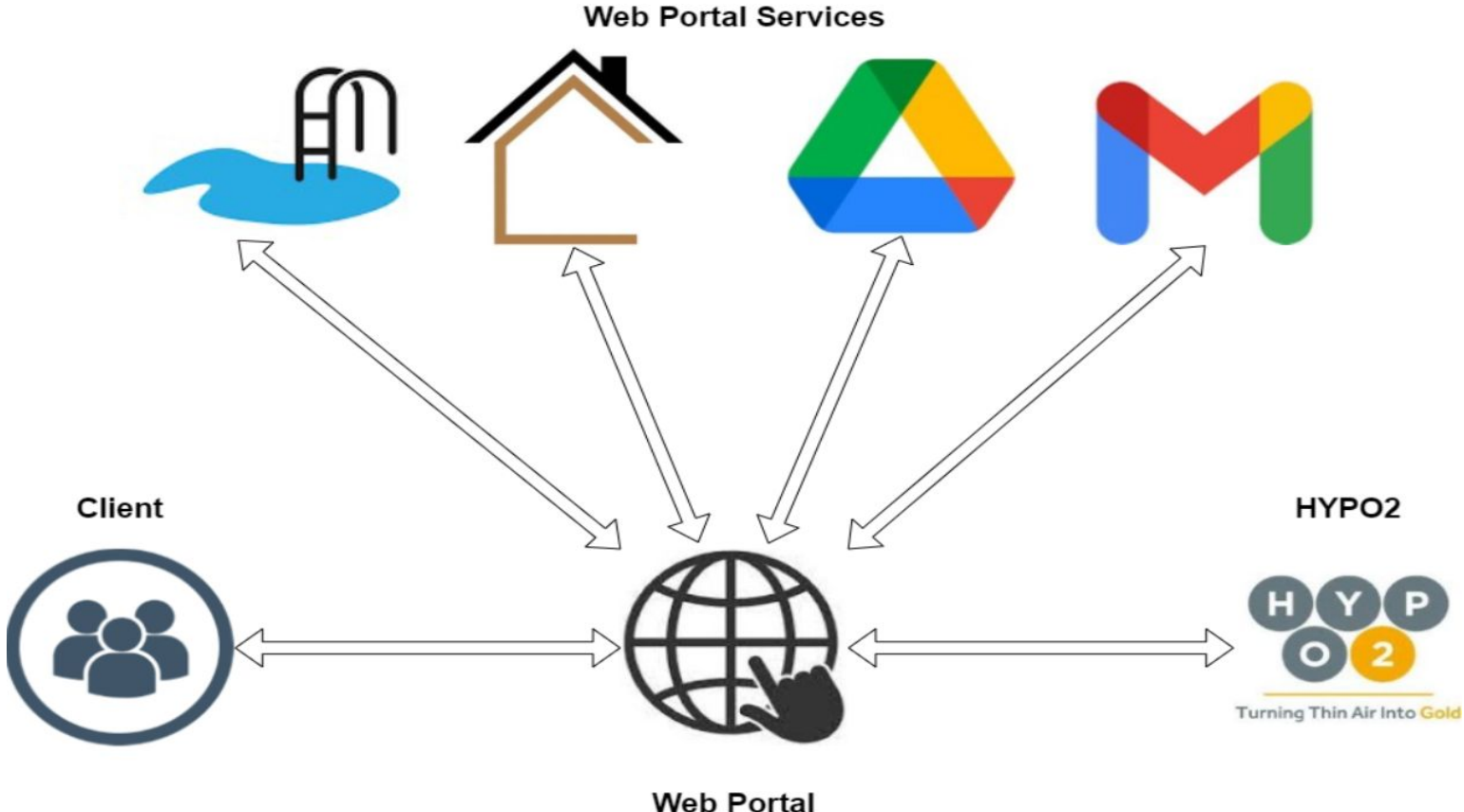
WorkFlow of HYP02

Three cases to demonstrate:

- Perfect World
- External Service with Complications
- Inhouse Service with Complications



Envisioned WorkFlow of HYP02



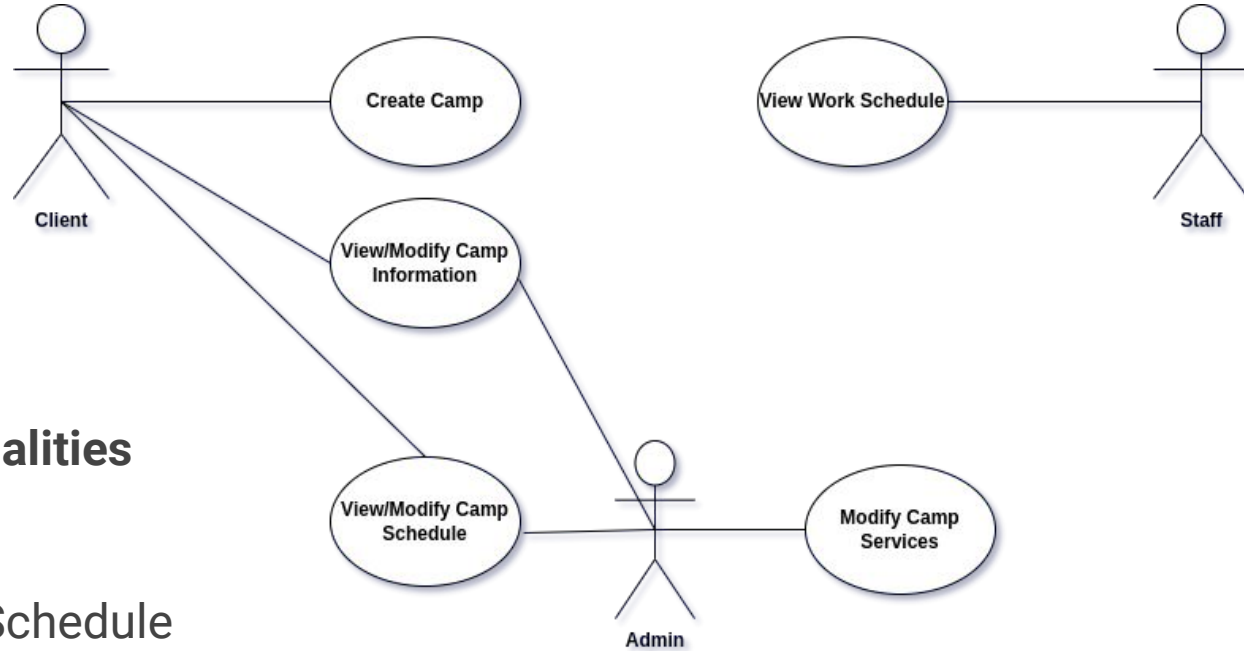
Requirements

Shared Functionalities

- User Accounts
- User Validation

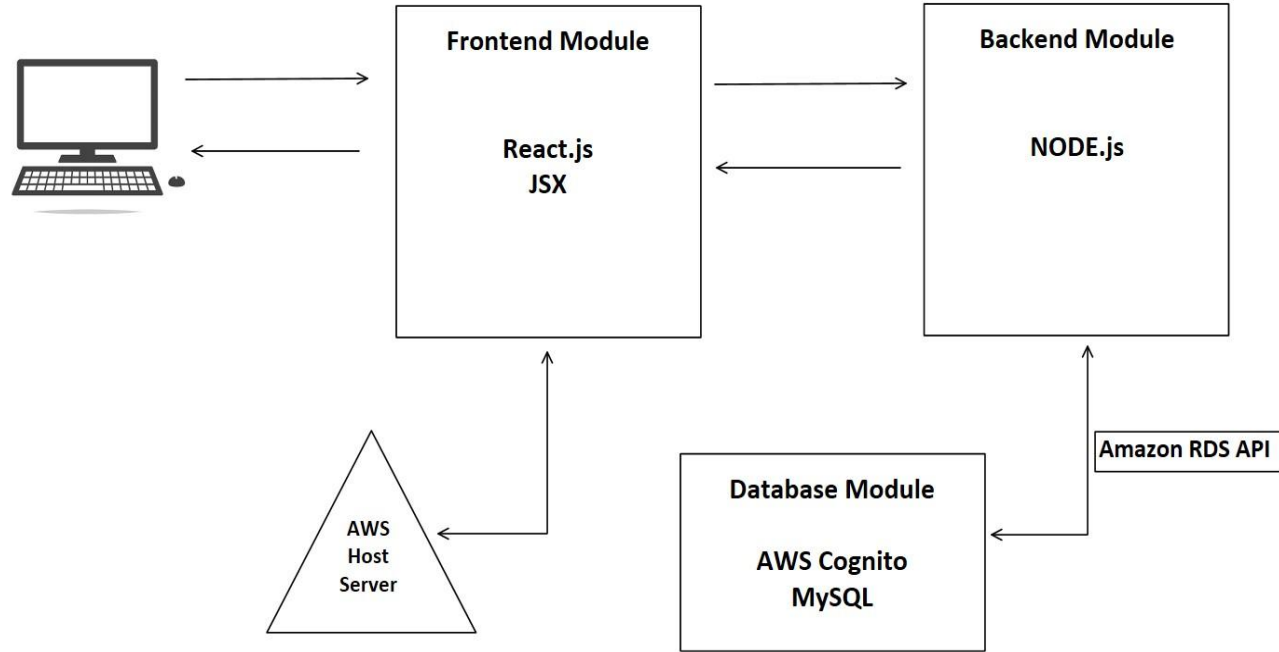
Account-Specific Functionalities

- Create Camp
- View/Modify Camp Schedule
- View/Modify Camp Information
- View Work Schedule
- Modify Camp Services



Architecture and Implementation

- **M** - MySQL
- **E** - Express
- **R** - React
- **N** - Node.js



Confirm Request Addition or Cancellation of Event Admin User

Challenges and Resolutions

Over the course of development, the team encountered many obstacles:

- Account Creation
 - 3 different types of users
 - Pivoted on how accounts are created
- Billing Table
 - Seasonal rates

Testing Plan

- Unit Testing
 - Testing all methods for proper returns such as Post, Get, Delete methods and Intake and add event forms
- Integration Testing
 - Testing proper connections between our 3 modules Front end, backend and database
- Usability Testing
 - Making sure the UI and application are usable by the intended audience.

1. I thought this [software feature] was easy to use.

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	2	3	4	5

2. I think that I would like to use this [software feature] frequently.

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	2	3	4	5

3. I imagine that most people would learn to use this [software feature] very quickly.

Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	2	3	4	5

Schedule

TASK	START	END	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12	Week 13	Week 14	Week 15	Week 16
Database schema	1/10/22	1/31/22	█	█	█													
Client User Signup & login & personal accounts	1/10/22	2/7/22	█	█	█	█												
Client User Request Camp	1/17/22	2/7/22		█	█	█												
Admin User Login	1/31/22	2/14/22			█	█	█											
Admin User Set Up Camp	2/7/22	2/28/22				█	█	█	█	█								
Client User Request of services	2/7/22	2/28/22				█	█	█	█	█								
Client User Cancellation of Services	2/7/22	2/28/22				█	█	█	█	█								
Staff User Viewable Calendar	2/28/22	3/14/22								█	█	█						
Staff User Login	2/28/22	3/14/22								█	█	█						
Billing Services	3/7/22	3/21/22									█	█	█					
Admin User Price Updates	3/7/22	3/21/22									█	█	█					
Client User Phase Testing	3/14/22	4/11/22										█	█	█	█	█	█	
Admin User Phase Testing	3/14/22	4/11/22										█	█	█	█	█	█	
Clean up UI/UX	3/14/22	4/18/22										█	█	█	█	█	█	
Final App Testing	3/14/22	4/18/22										█	█	█	█	█	█	
Final Project Delivery	4/11/22	5/2/22																█

Future Work

- Recurring Events
- Athlete Portal
- Uploading of Documents (Make business fully paperless)
- Notification System
- Live Chatting
- Auto Booking For Services
- Event Designated Times
- Cancellation Policies
- Mobile Friendly Version



Conclusion

- Team Olympic Developers solutions
 - Produce a web application to centralize all of HYPO2's needs.
 - Limit external messaging platforms.
 - Eliminate the use of Google Drive.
 - Provide an easy to use service for HYPO2's clients.

This project is not only the first step for HYPO2 but the first step for the Olympic Industry in easing the lives of the people supporting these world class athletes.





Questions?