BUTLER UNIVERSITY | HEALTH AND WELLNESS CENTER

Healthy Horizons

FINAL PRESENTATION

Meet the Team

David Purdum	Team Leader, Lead Developer
Travis Miller	Front End Developer
Davis Botta	Front End Developer
Kenny Burton	Front End Developer
Catherine Bain	Back End Developer, Database
Ryan Graham	Back End Developer, Database
Nick Ruddell	Client Liaison, Webmaster
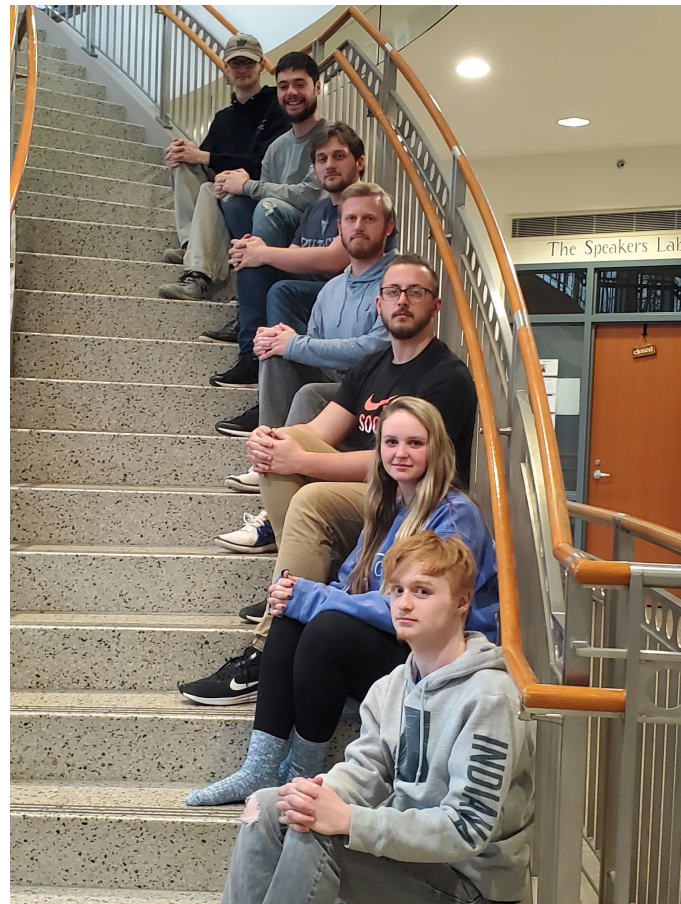
Background of Client

- Promotes healthy living with comprehensive and confidential wellness package

- Provides information about health education programs around campus

- Available for all Butler staff/faculty

- Conducted through the College of Pharmacy and Health Sciences

- Founded in 2004 and has been growing ever since.

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Healthy Horizons

Original Goals from the Client

Client's Goal: Create a web based form to allow for an easier experience tracking points compared to the paper form

Our Goals:

- Design a user friendly template for a web-based tracking form
- Create a back-end database to store information
- Host the website
- Functionally working website for new users by end of semester
- Incorporate Auth0 into login

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Previous Front End Development

Point Submission

About | Points | Prize List

Point Submission for Fall 2019

In the boxes below, please enter the number of times you have completed each task this semester. You can come back to this page and update your point totals.

The submit button will calculate your points and let you pick out the prizes you are eligible for. Then you will do a final submission that will send your points and prize selections to Healthy Horizons.

Total Earned Points: 27

You have 123 points left until silver status.

Earn 1 Point Each
Enter the number of the times each task was completed.

14 | Participate in Center for Faith and Vocation guided meditation class

7 | Eat 5 servings of fruits/vegetables in one day

0 | Avoid all sugar-sweetened beverages for one day

6 | Participate in an HRC fitness class

Input in your completed tasks

Earn 25 Points Each
Enter the number of the times each task was completed.

2 | Attend a Healthy Horizons lunch and learn

2 | Read an entire novel for stress relief

2 | Register for Healthier BU Blog
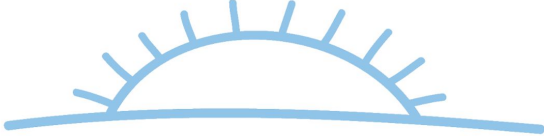
Earn 50 Points Each
Enter the number of the times each task was completed.

1 | Complete annual wellness consult with Healthy Horizons

1 | Complete annual physical with your Primary Care Provider

Previous Point Submission page

Prize Page

About | Points | Prize List

List of Potential Prizes

A healthy lifestyle isn't the only benefit of the Healthy Horizons initiative—there are also many prizes you can earn based on the amount of points you earn throughout the semester! Below are the potential prizes you can win organized by the point levels:

Silver (150 Points)

- Fingerless Gloves
- Pill Dispenser
- Magnetic Clip
- First Aid Kit
- Cloth Grocery Bag
- Water Bottle

Gold (250 Points)

Price Selection Page

About | Points | Prize List

- ○ Magnetic Clip
- ○ First Aid Kit
- ○ Cloth Grocery Bag
- ○ Water Bottle

Gold (250 Points)

- ○ Camp/Car LED Lantern
- ○ Reusable Utensils & Bag
- ○ Zen Coloring Book & Pencils
- ○ Dri-Mesh Shirt
- ○ Lined Thermos

Contact Info

Please fill out this contact information so we know who has submitted their points! We will use your email if for some reason we need to contact you.

First Name

Last Name

Butler Email

NEW Front End Development

- Weekly submission format
- Can edit each week individually
- Intuitive for the user

Previous Website Style

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Navigation items

About | Points | Prize List

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NEW Website Style

1	32 points
2	48 points
3	36 points
4	17 points
5	0 points
6	14 points
7	75 points
8	37 points
9	5 points
10	0 points
11	0 points
12	0 points
13	0 points
14	0 points

You have 86 points left until platinum tier!

264 points

Spring 2020

Select Prizes

1	50 points
2	**60 points**
3	59 points
4	0 points
5	0 points
6	0 points
7	0 points
8	0 points
9	0 points
10	0 points
11	0 points
12	0 points
13	0 points
14	0 points

Week 2   60 pts

0	Walk to the CUES farm for a visit during farm stand hours
0	Participate in Center for Faith and Vocation guided meditation class
0	Eat 5 servings of fruits/vegetables in one day
0	Avoid all sugar-sweetened beverages for one day
0	Participate in an HRC fitness class (many free options for staff/faculty)
0	Pack a healthy lunch from home
0	Park far away from work/store and walk
0	Sleep 7 ½ hours or more in one night
0	Use the restroom on different floor or building from your office
☑	Find and use a Health & Wellness App or Podcast daily/weekly
☑	Increase your weekly step count average by 1000 steps
☐	Obtain 150 minutes of exercise in one week
☐	Take prescribed medications for an entire week
☑	Attend a Healthy Horizons lunch and learn
☑	Read an entire novel for stress relief

Submit   Discard

Backend Development - Functionality

● Key Features Added

    ○ Dynamic Task List

    ○ Dynamic Prize List

Backend Development - Functionality Continued

- Database is called to populate the form for the selected week

- Dynamically change based on user input

  - Weekly Point Values

  - Total Point Value

- Send data to the database when user hits 'Submit'
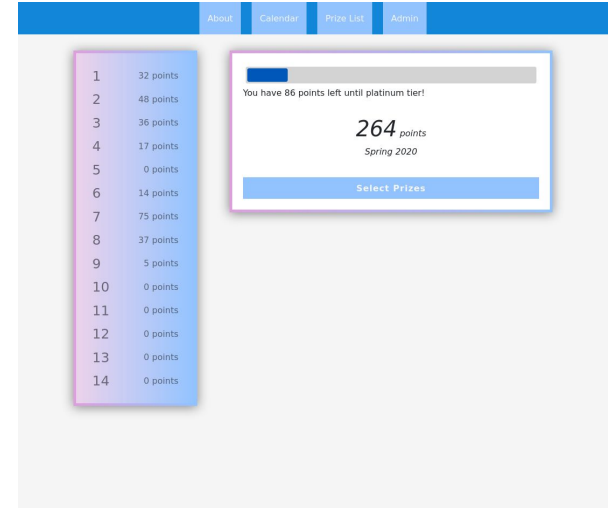
Backend Development - Functionality Continued
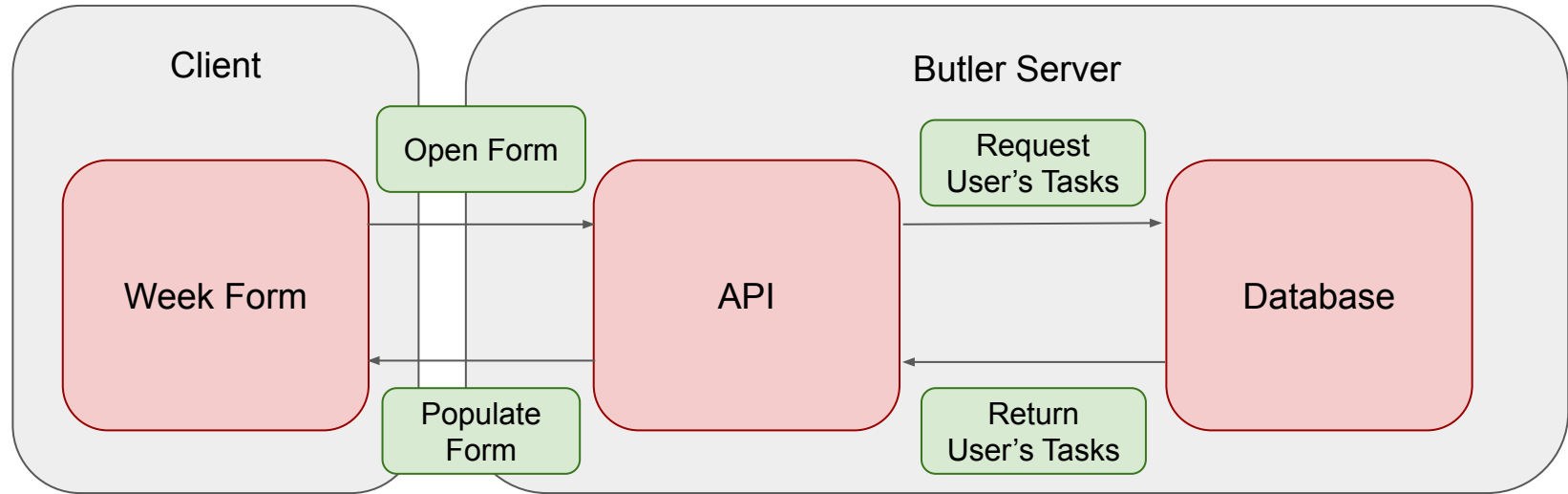
NEW Database Schema

- Organization of the data for the new calendar format
- Set up the database for the use of Auth0
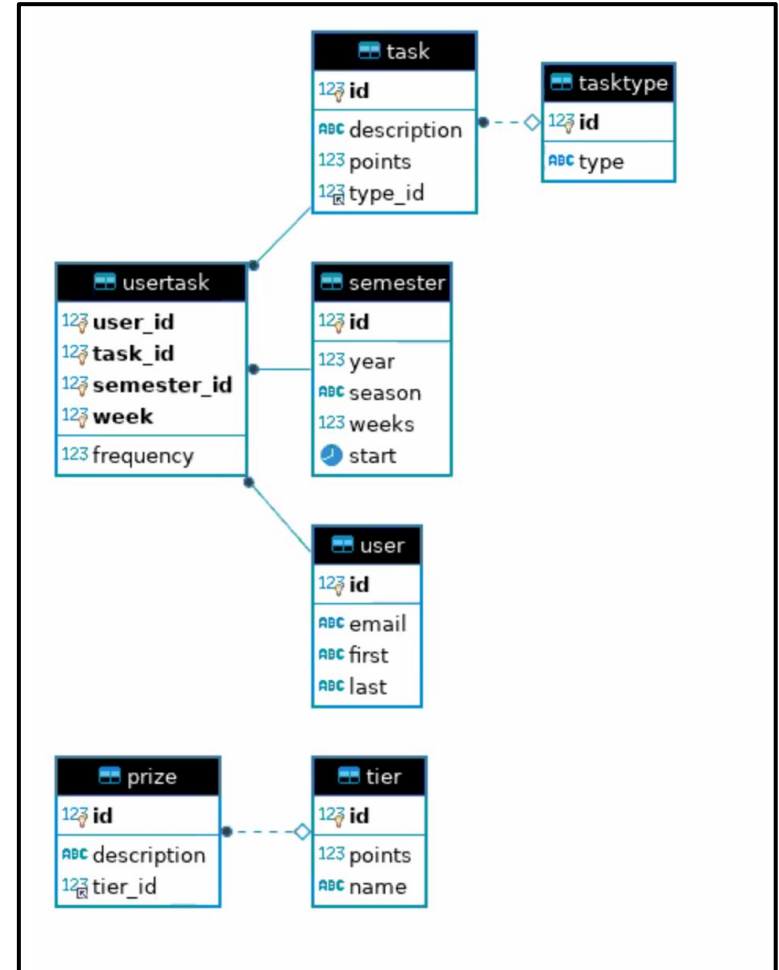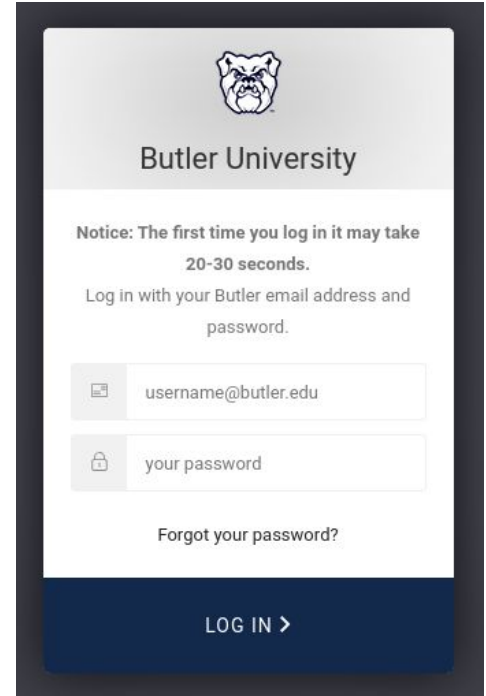
Admin Webpage

- Administrator can see all users
- Replaces the submission process

	Name	Email	Points	Prizes	
1	Earl Gill	earlfgilliv@gmail.com	264	**Silver**	Pill Dispenser
				Gold	Reusable Utensils & Bag
2	Dave Purdum	dpurdum@butler.edu	352	**Silver**	Pill Dispenser
				Gold	Zen Coloring Book
				Platinum	Bluetooth Earbuds
3	Alex Kuhn	aekuhn2@butler.edu	45		
4	Ryan Graham	superyan45@aol.com	169	**Silver**	Fingerless Gloves
5	Nick Ruddell	nickruddell@comcast.com	22		

Goals for Next Semester

- Integrate log in with Butler credentials (Auth0)

- Expand features of the Admin page

- Even better user experience/interface

- Experiment with new features of the program
  - Special one-time challenges

Thank You!

- **Dr. Panos Linos**; Faculty Mentor

- **Nate Partenheimer**; Sr. Systems Analyst IT Butler University

- **Dr. Alison Walton**; Healthy Horizons Client Contact

- **Anna Gerlach**; Healthy Horizons Program Coordinator

- **Prof. Lucchi-Riester;** BU Spanish Professor, SP-322

  - SP-322 Students:

    - Gabriella Arnold
    - Chad Hansen
    - Megan Leaman
    - Matt Morris

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EPICS – Butler University

David Purdum, Ryan Graham, Catherine Bain, Nick Ruddell, Davis Botta, Kenny Burton, Travis Miller

Healthy Horizons, College of Pharmacy and Health Sciences, Butler University

EPICS@BUTLER

Team Introduction
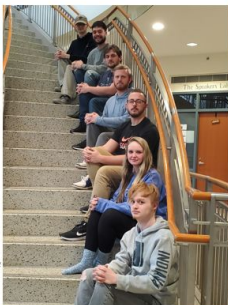
David Purdum – *Team Leader*

Davis Botta – *Front End Team*

Kenny Burton – *Front End Team*

Travis Miller – *Front End Team*

Ryan Graham – *Back End Team*

Catherine Bain – *Back End Team*

Nick Ruddell – *Webmaster, Client Liaison*

Client Background and Information

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Healthy Horizons

The Healthy Horizons program starts in 2004 with the purpose of promoting healthy living by providing a comprehensive and confidential wellness package to Butler University faculty and staff. The program assists employees with improving their health, provides ongoing information and health education programs, and helps identify health risks and ways to reduce those risks.

In the past, Healthy Horizons has used a paper form to track participant's points.

Results

The front-end team developed a wireframe for the online point tracking form. The user can select the week and enter the tasks they completed and see their progress towards rewards. There is a submit and a discard button that allows the user to submit their total points for each week. The discard button allows the user to discard any recent changes that you don't want to submit. The front end team learned HTML, CSS, and EJS. EJS, a template language, was used for the navigation page while CSS and HTML were used for the other elements of the page. In addition, the front end group finalized the prize page where users can see the prizes they are working towards earning in an attempt to incentivize participation.

Database
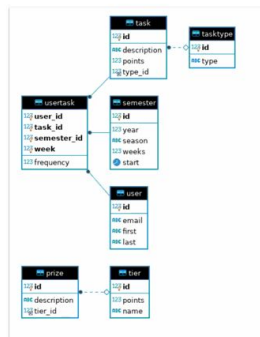
The back end of the team created a web server that reacts to the HTTP requests from the client. They created an SQL database to store information required for the user interface such as the user, the tasks they have completed, the total number of points they have so far that semester, and the different prizes. The database is now implemented on the Butler server.

Objectives

- Create a weekly user interface to track points easier throughout the semester.
- Incorporate Auth0 to allow Butler employees to login using their Butler credentials.
- Create and Host a working Website

Challenges

- Front End Team:
  - Starting over in the middle of the semester
  - Managing the dynamics of multi-page website

- Back End Team:
  - Hosting Auth0
  - Received the correct Auth0 Tutorial mid-way through semester

Conclusion/Reflection

This team was really excited to continue working on this project from last semester; we were passionate about the mission of Healthy Horizons and ready for the challenges of learning. We were able to create multiple products, each of which played to the team member's strengths while still learning something new. Overall, the semester was a major success and we hope that the Healthy Horizons project continues to evolve with future EPICS groups.

Acknowledgements

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- **Nate Partenheimer**; Sr. Systems Analyst IT Butler University
- **Dr. Alison Walton**; Healthy Horizons Client Contact
- **Anna Gerlach**; Healthy Horizons Program Coordinator

Previous Healthy Horizons Teams

Spring 2019:	Fall 2019:
David Purdum	David Purdum
Walker Demel	Catherine Bain
Cal Ormanovich	Nick Ruddell
David Emmerling	Alex Kuhn
Abby Craig	Dalton Morzos
Sam Badovinac	Earl Gil IV