

Final Report - Healthy Behaviors Challenge

Project Overview

Healthy Behaviors Challenge (HBC) was a legacy project that we took on. The application is designed to facilitate fitness instructors as they create fitness challenges for trainees. The application has two main stakeholders: Sheena, representing the instructor, and the primary trainee represented by Dr. Niki Ritchey. To map the two stakeholders, the application has two types of user: instructor and trainee. The instructor can create challenges and assign them to trainees, while the trainees can view and log the challenges. At the start of the semester, the client provided us with several desired features, the main customer need being to improve the overall user experience in addition to adding some new features.

Over the semester, we implemented the main features requested by the client including a workout tracking log for the trainee and streak feature for logging tasks. We also planned out additional features that we pitched to the client and added those to the application also such as creating a list of predefined tasks and deactivating trainees. We improved the pre-existing and new user interfaces as well to be more user-friendly and sophisticated. Another need expressed by the client was to have responsive design, so we updated all the views to work with tablet and mobile devices. Additionally, we were able to implement a discussion board feature for the users to communicate with one another.

Understanding the Legacy Code

To understand and navigate the rails application our team first began by examining the database schema and the ActiveRecord Models. This helped us understand the entities the application operates on and their relationships. Next the team focused on the controllers to see the application's operational flow. This helped the team understand how the application responds to different actions. The teams looked at the routes to see what URLs they are set to specific controller actions. After this we looked at the views to see how the application's data is presented to the user. Finally, we looked at the tests for cucumber and RSpec to understand the expected behaviors and requirements of the models, controllers, and views.

Sprint Details and Task Breakdown

Sprint 1

Product Owner: Mackenzie Hamlett

Scrum Master: Tolga Yildiz

For this sprint, we implemented the following new features:

- Created link for instructor in header of dashboard to go to page to view all trainees. For each trainee, the instructor has a button to click to view information about the trainee. The profile information detailing trainee's full name, height, and weight. (3+8 pts)
- Created task view table that enables trainees to see their task history and the completion status of the task for a specific challenge they choose. (5 pts)
- research and implement database strategy to get info from previous database (8+8 pts)

Sprint 1 Tasks	Points and devs
Challenge Tracker Tab	5 (Tolga and Fizza)
View Challenge Trainees (instructor side)	3 + 8 pts (Jakob and Chenxin)
Database: Store tracking data	8 pts (Francis and Mackenzie)
Database: Retrieve user tracking data	8 pts (Michael)
Total	32

Sprint 2

Product Owner: Francis Bui

Scrum Master: Mackenzie Hamlett

Tasks completed for this sprint

- Instructors can click on trainees to see information on their progress, view trainee profiles, and manage their workout plans. (10 pts)
- Implement table for client to enter their workouts, weights, reps, etc and view previous history (6 pts)
- For challenge creation, add a list of predefined tasks that the user can choose from (5 pts)
- For challenge creation, provide a list of existing challenges to use as templates (7 pts, partially implemented)

Sprint 2 Tasks	Points and devs
View Trainee Progress (instructor side)	10 (Jakob and Chenxin)
Update tracking table for trainee	6 (Tolga)
Predefined tasks for new challenge	5 (Michael)
Predefined challenge template	7 (Fizza)
Total	28

Sprint 3

Product Owner: Tolga Yildiz

Scrum Master: Michael Chiu

Tasks completed for this sprint:

- Navigation bar for logged-in pages and landing pages for instructor and trainee (6 pts)
- Update and improve UI to be user friendly and consistent (8 pts)
- Update ruby version and resolve associated issues (6 pts)
- Implement mobile view for navigation and landing page (8 pts)
- Manage trainee status (deactivate, reactivate, destroy) (6 pts)

Sprint 3 Tasks	Points and devs
Navigation bar	6 (Mackenzie and Francis)
Improve UI	8 (Chenxin and Fizza)
Update Ruby version	6 (Francis and Tolga)
Mobile view for navigation and landing pages	8 (Mackenzie and Francis)
Manage trainee status	6 (Jakob)
Total	34

Sprint 4

Product Owner: Syeda Fizza Ali

Scrum Master: Chenxin Li

Tasks completed for this sprint:

- Implement a discussion board so users can make posts (8+4 pts)
- Fix return button functionality for existing links and add return buttons to new pages (3+3 pts)
- Resolve rubocop and rubyritic issues (5 pts)
- Eliminate Cucumber and Rspec Errors (5 pts)
- Fix mobile and tablet interface for whole app (5 pts)

Sprint 4 Tasks	Points and devs
Discussion board page and functionality	8 (Mackenzie, Tolga, and Michael)
Discussion board interface	4 (Mackenzie and Francis)
Return button fix	6 (Chenxin)
Rubocop and rubyritic issues	5 (Jakob and Francis)
Cucumber and Rspec errors	5 (Jakob and Francis)
Responsive UI for all app	5 (Fizza and Mackenzie)
Total	33

Overall Breakdown

	Sprint 1	Sprint 2	Sprint 3	Sprint 4	Total pts
Jakob Kirby	5.5	5	6	3	19.5
Michael Chiu	8	5	0	3	16
Mackenzie Hamlett	4	0	4	8.16	16.16
Chenxin Li	5.5	5	3	6	19.5
Syeda Fizza Ali	2.5	7	5	2.5	17
Tolga Yildiz	2.5	6	5	2.66	16.16
Francis Bui	4	0	8	6	18
	32	28	34	33	127

Behavior Driven Design (BDD)

We used the following approach for BDD

1. Create user stories based on requirements from client
2. Define cucumber tests in feature files based on users stories created
3. Write step definition for cucumber tests
4. Write code for feature
5. Run cucumber test to see if code meets expected behaviors if test fails then rewrite code
6. Refactor and clean up new code to improve readability and maintainability while ensuring cucumber tests are still passing.

Test Driven Development (TDD)

We employed the following steps for our TDD approach

1. First we wrote Rspec tests
2. Run the test and see it fail
3. Write bare minimum code for passing test
4. Rerun the test to see if code passes the test if the test fails rewrite the code until test passes
5. Refactor and clean up the new code to improve readability and maintainability while ensuring tests are still passing.

Configuration Management Approach

- Git for Version Control: Git and GitHub were used as version control of the application. It has allowed team members to document changes to the codebase with branches and commits.
- Docker for build management: Docker was used to encapsulate the application and the dependencies needed to run it. This allows the development environment to be consistent for all team members.
- PostgreSQL for environment management: PostgreSQL was used as the relational database management system.
- The team had four releases, one for each sprint. From the four releases the team has worked on 23 branches.

User Stories

1. UI: Workout Challenge Tracker Tab Design

Point Estimate: 5

As a client

So that I tab in to log my daily workout

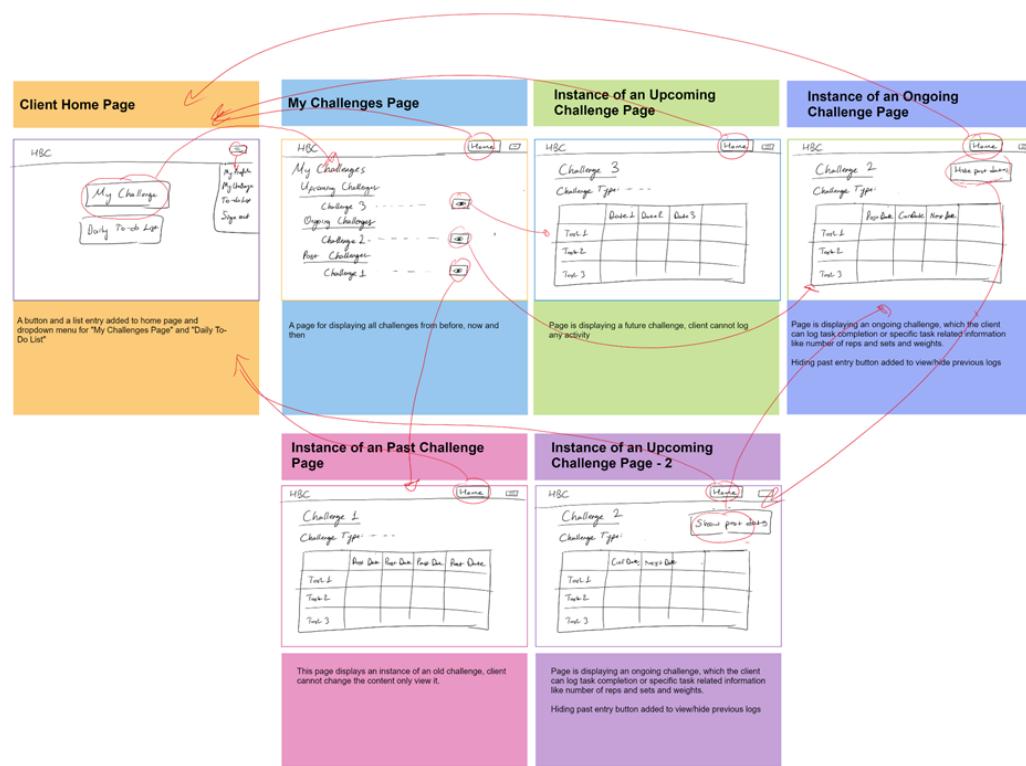
I want to see the workouts I have logged up to 3 weeks back

Implementation status: Accepted

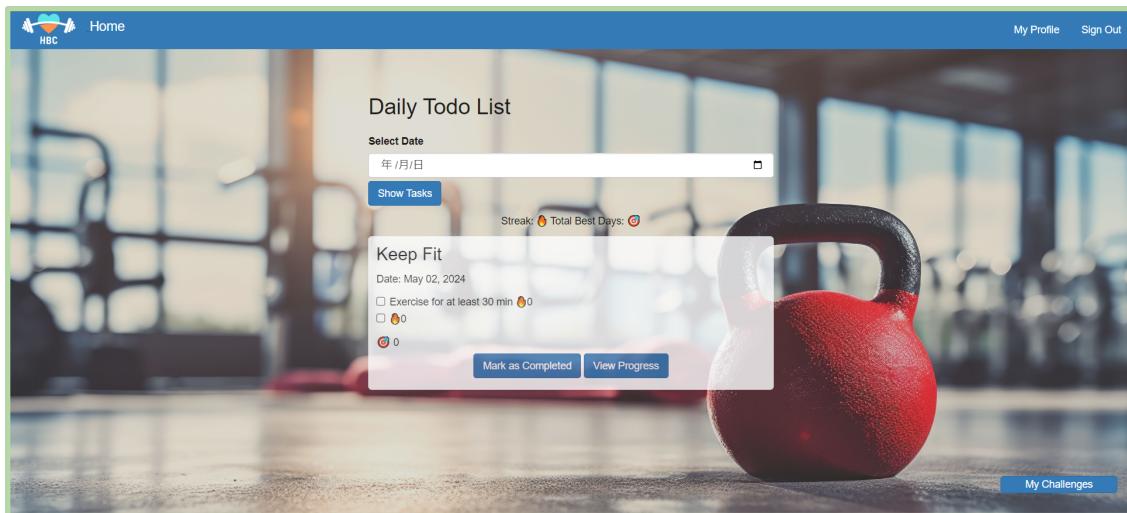
Changes:

Add a new tab to the Healthy Behavior Challenge homepage, leading to a page displaying the user's workout history in columns. Include a "Back to Home" button for easy navigation.

Lo-Fi Mockup:



Implementation



2. UI: Workout Tracker Tab Entry Implementation

Point Estimate: 5

As a client

So that I can log my daily workout

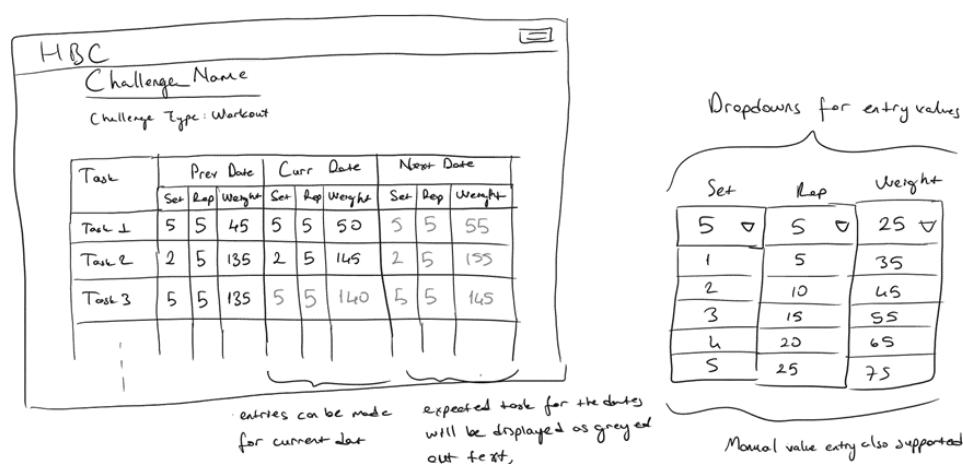
I want to log and view workout history I have completed

Implementation status: Accepted

Changes:

Implement a user-friendly table allowing clients to log their workouts, including exercises, weights, and reps. Display their previous workout history in the table. Utilize Bootstrap to create an intuitive and visually appealing design.

Lo-Fi Mockup:



The digital wireframe shows a "CH Final" challenge tracker. The interface has a header "Challenge Tracker" and a main area divided into three columns: "March 09, 2024" (red), "March 10, 2024" (green), and "March 11, 2024" (yellow). Each column contains a table with rows for different tasks: "OHP 5 reps of 55.32 pounds", "Assisted Pullups 2 reps", and "Drink 3 L water". Each task row has input fields for Set, Rep, and Weight, with an "Update" button. The background of the wireframe is light blue.

3. UI: Instructor Facing Challenge Tab Part 1

Point Estimate: 3

As a client

So that I tab in to log my daily workout

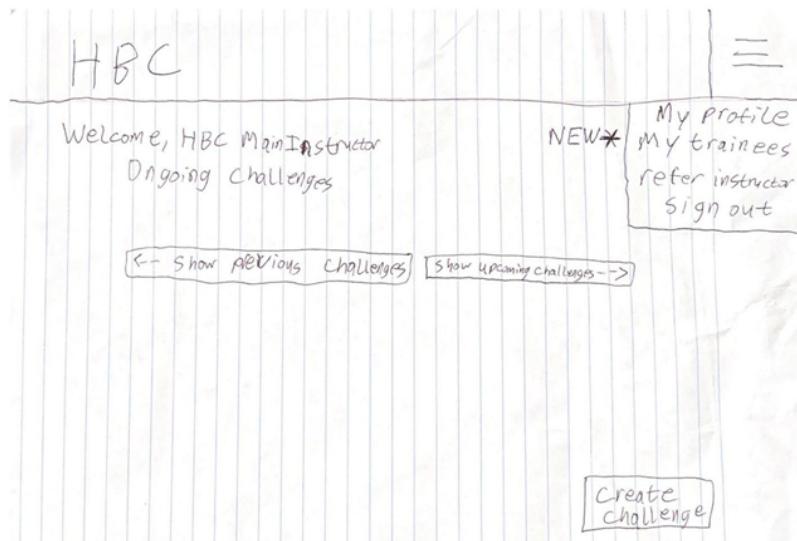
I want to see the workouts I have logged up to 3 weeks back

Implementation status: Accepted

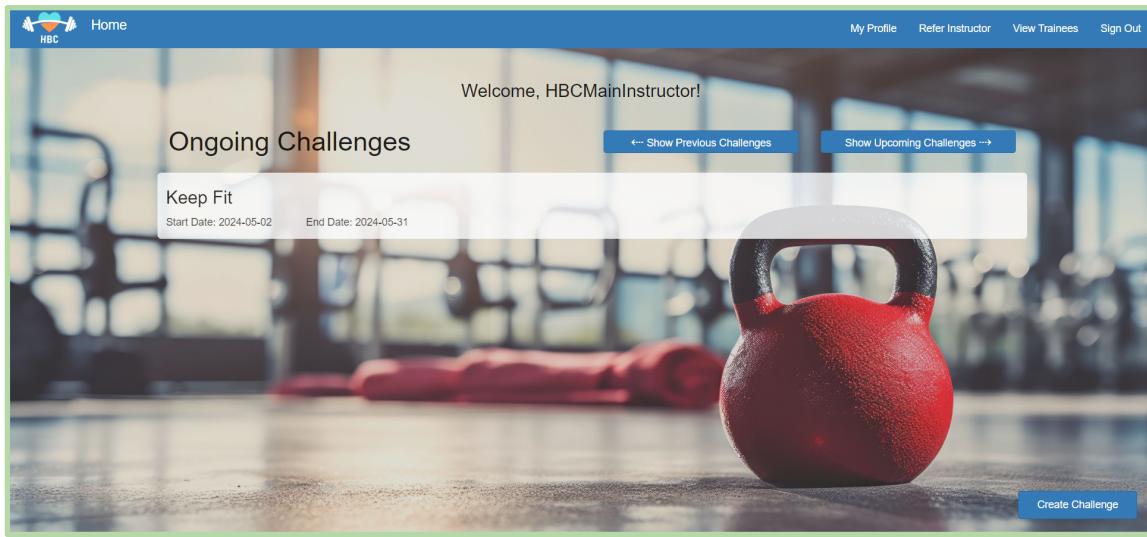
Changes:

Add a new tab to the Healthy Behavior Challenge homepage, leading to a page displaying the user's workout history in columns. Include a "Back to Home" button for easy navigation.

Lo-Fi Mockup:



Implementation:



4. UI: Instructor Facing Challenge Tab Part 2

Point Estimate: 8

As an instructor

So that I can easily manage all trainees I have

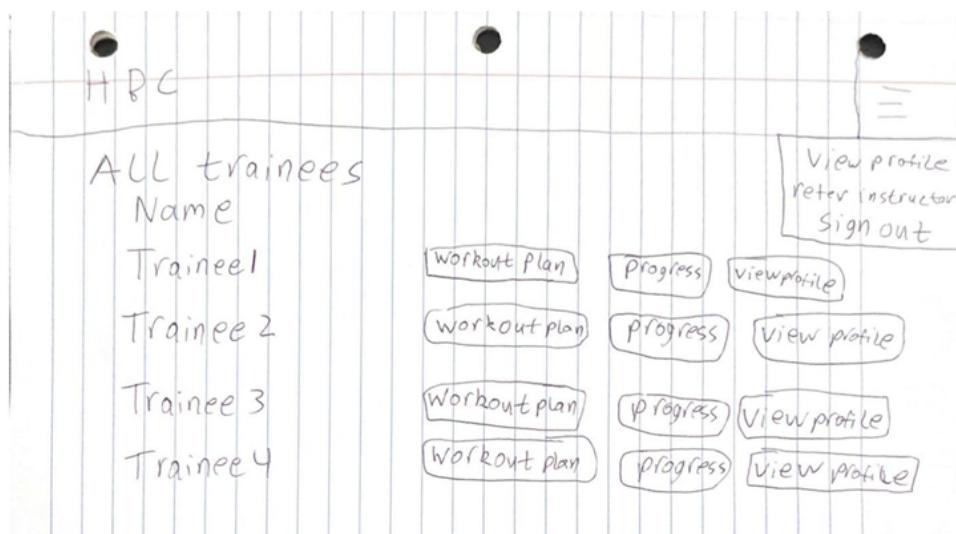
I want to click on trainee and view completed tasks and progress

Implementation status: Accepted

Changes:

To streamline trainee management, implement a feature allowing instructors to click on individual trainees and access their profiles. Display completed tasks, progress metrics, and workout plans to facilitate seamless monitoring and guidance.

Lo-Fi Mockup:



Implementation:

The screenshot shows a web page titled "View Trainees Page". At the top, there is a navigation bar with icons for Home, My Profile, and Sign Out. Below the title, there is a table with four columns: "Trainee Name", "View Profile", "View Challenges", and "Deactivate Trainee". The table contains four rows of data:

Trainee Name	View Profile	View Challenges	Deactivate Trainee
Francis Bul	View Profile	View Challenges	Deactivate
Jane Smith	View Profile	View Challenges	Deactivate
Trainee 1	View Profile	View Challenges	Deactivate
Example	View Profile	View Challenges	Deactivate

Below the table, a message states "No Deactive Trainees." In the bottom right corner of the page area, there is a "Back" button.

5. UI: Instructor Facing Challenge Tab Part 3

Point Estimate: 8

As an instructor

So that I can easily manage all trainees I have

I want to click on trainee and view completed tasks and progress

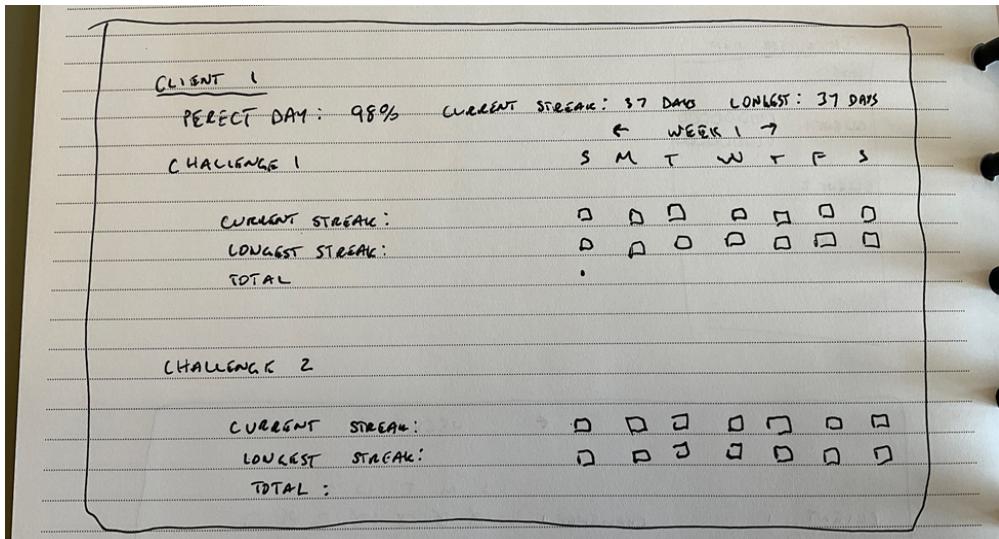
Implementation status: Accepted

Changes:

To streamline trainee management, implement a feature allowing instructors to click on individual trainees and access their profiles. Display completed tasks, progress metrics, and workout plans to facilitate seamless monitoring and guidance.

Lo-Fi Mockup:

		WEEK 3					
		S	M	T	W	T	F
CLIENT 1							
		X	X	X	X	X	O
CHALLENGE 1							
		X	O	O	X	X	O
CHALLENGE 2							
		X	O	O	X	O	O
...							
CLIENT 2							
		X	O	O	O	X	O
CHALLENGE 1							
		O	X	X	X	O	O
CHALLENGE 2							
...							



Implementation:

Home My Profile Forum Sign Out

Current Challenges

- Low Screen Time

Start Date: 2024-05-01 End Date: 2024-05-07

[Progress](#)
- Eat Healthy

Start Date: 2024-05-03 End Date: 2024-05-10

[Progress](#)
- Workout Daily

Start Date: 2024-05-03 End Date: 2024-05-10

[Progress](#)
- Mindfulness

Start Date: 2024-04-29 End Date: 2024-05-10

[Progress](#)

Past Challenges

No Past Challenges

[Back to All Trainees](#)

Home My Profile Forum Sign Out

Francis's Progress

in Eat Healthy

Task Name	May 03, 2024	May 04, 2024	May 05, 2024	May 06, 2024	May 07, 2024	May 08, 2024	May 09, 2024	May 10, 2024
Drink 8 Cups of Water	✗	✗	✗	✗	✗	✗	✗	✗
Take a multivitamin	✗	✗	✗	✗	✗	✗	✗	✗
Avoid processed sugar	✗	✗	✗	✗	✗	✗	✗	✗

[Back](#)

6. UI: Predefined Challenge Tasks

Point Estimate: 3

As a instructor

So that I tab in to assign challenge tasks

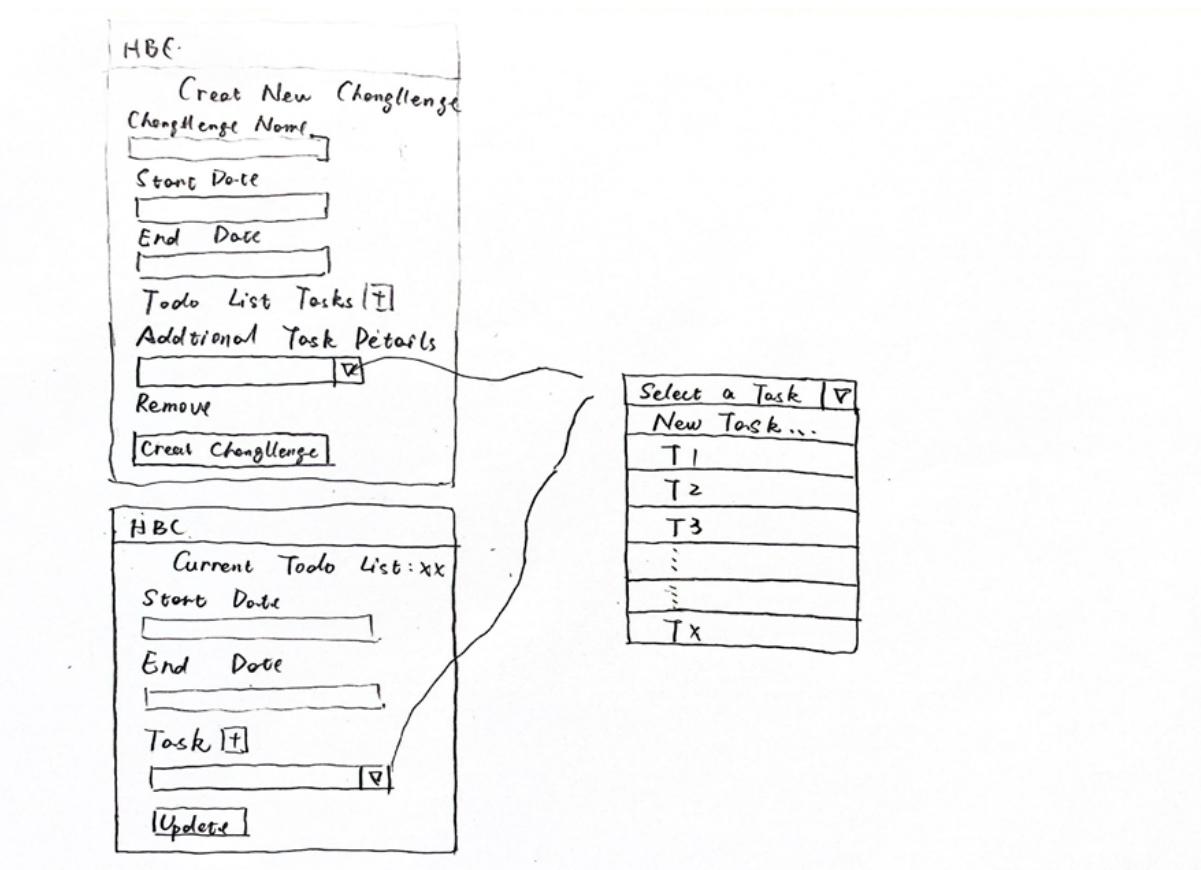
I want to see a set of predefined tasks I can choose from

Implementation status: Accepted

Changes:

Add a new tab to the Healthy Behavior Challenge homepage, leading to a page displaying the user's workout history in columns. Include a "Back to Home" button for easy navigation.

Lo-Fi Mockup:



Implementation:

The screenshot shows a web application interface for creating a new challenge. At the top, there's a navigation bar with icons for Home, My Profile, Refer Instructor, View Trainees, and Sign Out. Below the navigation is a title 'Create New Challenge'. The form contains fields for 'Challenge Name' (with a placeholder 'Challenge Name'), 'Start Date' (with a placeholder '年/月/日'), and 'End Date' (with a placeholder '年/月/日'). There's a section titled 'Todo List Tasks' with a green '+' button, followed by 'Additional Task Details' and 'Select Task' (with a dropdown menu showing 'Select a task'). At the bottom left is a 'Create Challenge' button, and at the bottom right is a 'Back' button.

7. UI: Challenge Templates

Point Estimate: 7

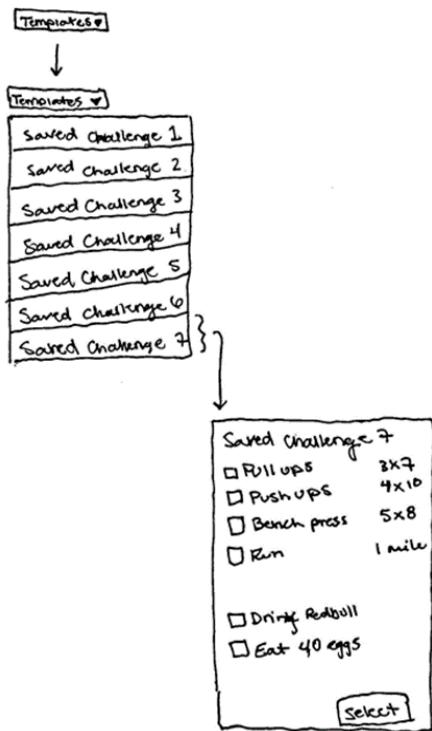
As a instructor
So that I assign whole challenges
I want to select a predefined challenge template.

Implementation status: unmerged

Changes:

Incorporate a "Challenge Templates" dropdown menu alongside the predefined tasks, offering a selection of ready-made challenge templates. Clearly distinguish between the templates and tasks to ensure user clarity.

Lo-Fi Mockup:



Implementation:

The implementation screenshot shows the 'Create New Challenge' interface. At the top, there's a blue header bar with the text 'HBC' on the left and 'Home' on the right. Below the header is a form with fields for 'Challenge Name' (an empty input field), 'Start Date' (a date input field with placeholder 'dd/mm/yyyy'), and 'End Date' (a date input field with placeholder 'dd/mm/yyyy'). Below these fields is a section titled 'Todo List Tasks' with a green '+' button. Underneath this, there's a dropdown menu titled 'Select a predefined challenge template' containing several options: 'Seated Row', 'Full body', 'abs', 'old challenge', 'ongoing challenge', 'Story 2 Challenge', and 'Barre'. The 'old challenge' option is currently selected, highlighted with a blue background.

8. UI Navigation Bar Client

Point Estimate: 3

As an healthy challenge user

So that I can easily navigate within the app

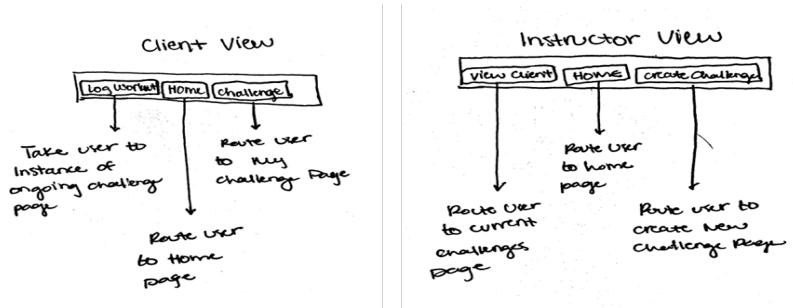
I want to see a set of buttons at the bottom of the screen to navigate the site

Implementation status: Accepted

Changes:

Implement a new navigation bar featuring a prominently displayed homepage button and a challenge button, enhancing user experience and facilitating seamless navigation throughout the application.

Lo-Fi Mockup:



9. User Interface Revamp

Point Estimate: 5

As an healthy challenge user
So that I can easily understand the app interface
I want to have a visually pleasing interface

Implementation status: Accepted

Changes:

Enhance the user interface by incorporating visually appealing background images, adopting a modernized design language to improve user friendliness, and creating a distinctive logo to be consistently applied throughout the application.

Implementation:

The image displays two screenshots of the Healthy Behaviors Challenge (HBC) mobile application. The top screenshot shows the landing page, featuring a vibrant illustration of a man and a woman jogging together. To the right of the illustration is the HBC logo, which consists of a stylized heart and barbell icon above the letters 'HBC'. Below the logo is the tagline 'Unlock Your Potential with Healthy Behaviors Challenge'. A descriptive text below the tagline encourages users to achieve their fitness goals and lead a healthier life. A blue 'Begin Here!' button is centered at the bottom of the landing page. The bottom screenshot shows the 'Upcoming Challenges' section. It features a large, dynamic photograph of a person swimming in the ocean. At the top of this section, the text 'Welcome, HBCMainInstructor!' is displayed. Below the photo, there are two blue buttons labeled 'Show Past Challenges' and 'Show Ongoing Challenges'. At the very bottom of the screenshot, there is a small blue 'Create Challenge' button.

10. Update Ruby Version

Point Estimate: 3

As a developer

So that I can modify the app

I want to use a newer ruby version compatible with all devices

Implementation status: Accepted

Changes:

Upgrade the Ruby version from 3.1.0 to 3.1.4, addressing any compatibility issues or dependencies that may arise during the migration process to ensure a smooth transition and maintain application stability.

11. Mobile Interface

Point Estimate: 8

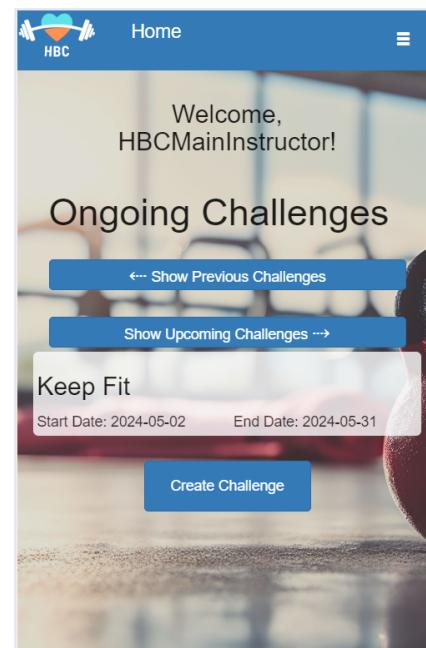
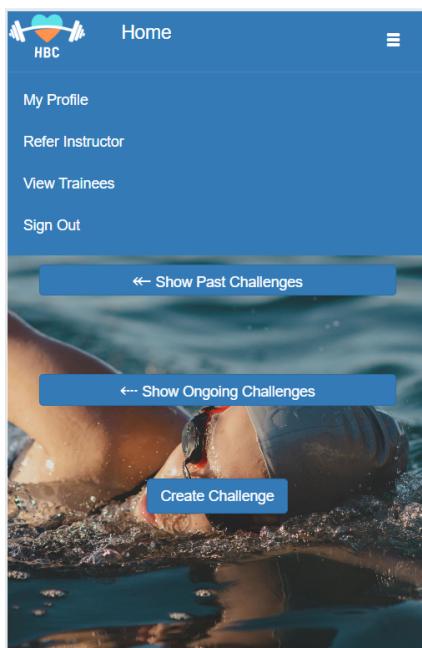
As a user

So that I can view the healthy challenge app

I want to be able to open the application on a mobile device

Implementation status: Accepted

Changes: Implement a responsive mobile view for the application, ensuring that all functionalities, navigation, and content are optimized and fully accessible on mobile devices, providing a seamless user experience across both web and mobile platforms. **Implementation:**



12. Deactivate Trainee

Point Estimate: 3

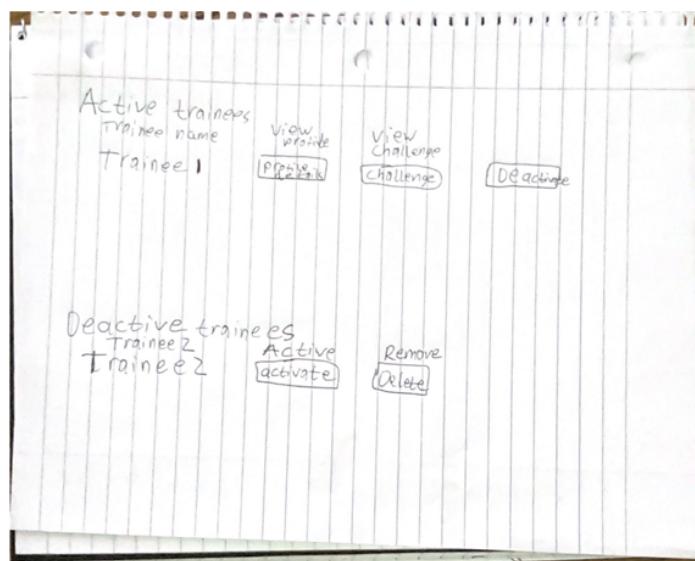
As an instructor

So that inactive trainee cannot access application

I want to temporarily deactivate and archive trainee information for future reactivation or deletion from the system permanently

Implementation status: Accepted

Lo-Fi Mockup:



Implementation:

The screenshot shows a web-based application interface titled "View Trainees Page". The header includes a logo, "Home", "My Profile", and "Sign Out". The main content area displays a table with four columns: "Trainee Name", "View Profile", "View Challenges", and "Deactivate Trainee". The table contains five rows of data:

Trainee Name	View Profile	View Challenges	Deactivate Trainee
Jane Smith	View Profile	View Challenges	Deactivate
Trainee 1	View Profile	View Challenges	Deactivate
Example	View Profile	View Challenges	Deactivate
Francis Bui	View Profile	View Challenges	Deactivate

Below the table, a message reads "No Inactive Trainees." In the bottom right corner of the content area, there is a "Back" button.

13. Reactivate Trainee

Point Estimate: 5

As an instructor

So that returning trainees can access the application.

I want to reactivate the trainee's account

Implementation status: Accepted

Implementation:

The screenshot shows a web application interface titled "View Trainees Page". At the top, there is a navigation bar with icons for Home, My Profile, and Sign Out. Below the navigation bar, the page title "View Trainees Page" is displayed. The main content area contains two tables. The first table lists three trainees: "Trainee 1", "Example", and "Francis Bul". Each row has three buttons: "View Profile", "View Challenges", and "Deactivate Trainee". The "Deactivate Trainee" button for "Trainee 1" is orange, while the others are blue. The second table lists one trainee, "Jane Smith", with three buttons: "View Profile", "Activate" (which is green), and "Delete" (which is red). A "Back" button is located at the bottom right of the page.

14. Destroy Trainee

Point Estimate: 2

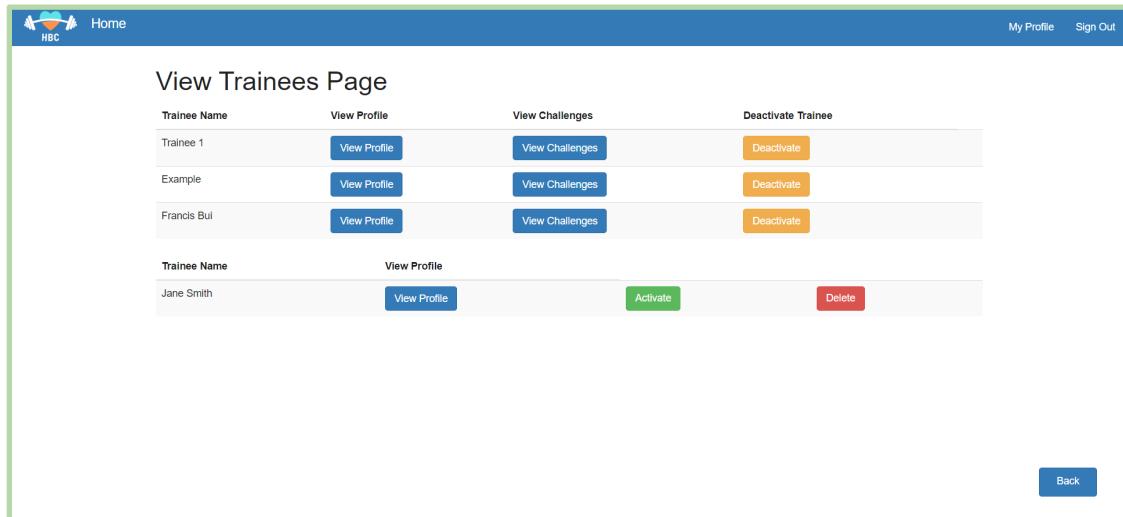
As a client

So that I tab in to log my daily workout

I want to see the workouts I have logged up to 3 weeks back

Implementation status: Accepted

Implementation:



The screenshot shows a web application interface titled "View Trainees Page". At the top, there is a navigation bar with a logo, "Home", "My Profile", and "Sign Out" buttons. The main content area has a title "View Trainees Page". Below the title is a table with three rows of trainee data. Each row contains a "Trainee Name" column, a "View Profile" button, a "View Challenges" button, and a "Deactivate Trainee" button. The first two rows have names "Trainee 1" and "Example", while the third row has "Francis Bul". In the third row, the "View Profile" button is blue, the "View Challenges" button is greyed out, and the "Deactivate" button is orange. Below this table is another table with one row, containing a "Trainee Name" column, a "View Profile" button, an "Activate" button (which is green), and a "Delete" button (which is red). The "Trainee Name" is "Jane Smith", and the "View Profile" button is blue. At the bottom right of the page is a "Back" button.

15. Discussion Board New Page

Point Estimate: 8

As an healthy challenge user

So that I can discuss with other users

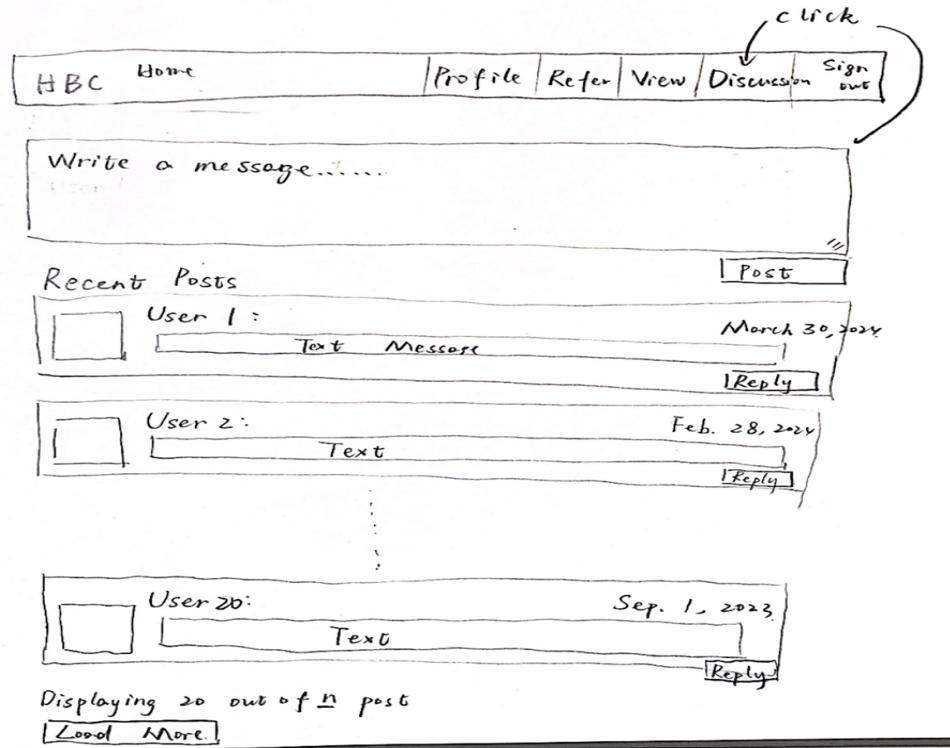
I want to have a discussion board page to write posts

Implementation status: Accepted

Changes:

Create a new page featuring a basic discussion board functionality, allowing users to compose and submit posts. Implement the necessary backend logic to handle post creation and storage, laying the foundation for future discussion board enhancements.

Lo-Fi Mockup:



Implementation:

A screenshot of a web-based community forum. The page title is "Community". There is a search bar labeled "Ask A Question" and a red error message "There was a problem with your submission". On the left, there is a sidebar with "Filters" (All Threads, My Questions, Participating, Answered, Unanswered) and "By Category" (All, Feedback, General). Below the sidebar, a message states "No results found for your search. Check out the [latest questions](#) instead?"

16. Discussion Board Interface

Point Estimate: 5

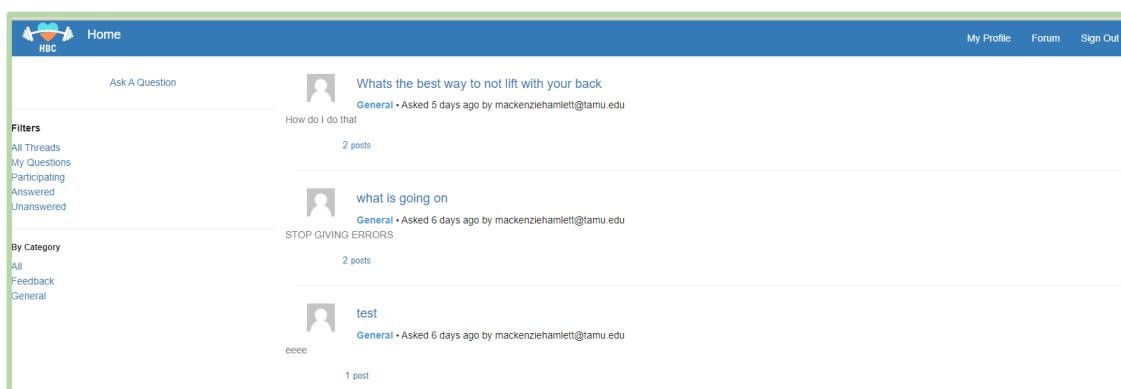
As an healthy challenge user
So that I can discuss with other users
I want to have a modernized discussion board page to write posts

Implementation status: Accepted

Changes:

Enhance the discussion board's user interface with intuitive and visually appealing designs, incorporating clear navigation elements, prominent post creation buttons, and organized post layouts to ensure a user-friendly experience that enables clients to easily understand and engage with the platform.

Details:



The screenshot shows a modernized discussion board interface. At the top, there is a blue header bar with the HBC logo, a "Home" button, and links for "My Profile", "Forum", and "Sign Out". Below the header, there is a search bar labeled "Ask A Question" and a user profile icon. The main content area displays three posts. The first post is titled "Whats the best way to not lift with your back" by "General" and was asked 5 days ago. It has 2 posts. The second post is titled "what is going on" by "General" and was asked 6 days ago. It has 2 posts. The third post is titled "STOP GIVING ERRORS" by "eeee" and was asked 6 days ago. It has 1 post. On the left side, there are two sidebar sections: "Filters" which includes "All Threads", "My Questions", "Participating", "Answered", and "Unanswered"; and "By Category" which includes "All", "Feedback", and "General".

17. Return Button Instructor

Point Estimate: 3

As an instructor

So that I can return to previous pages

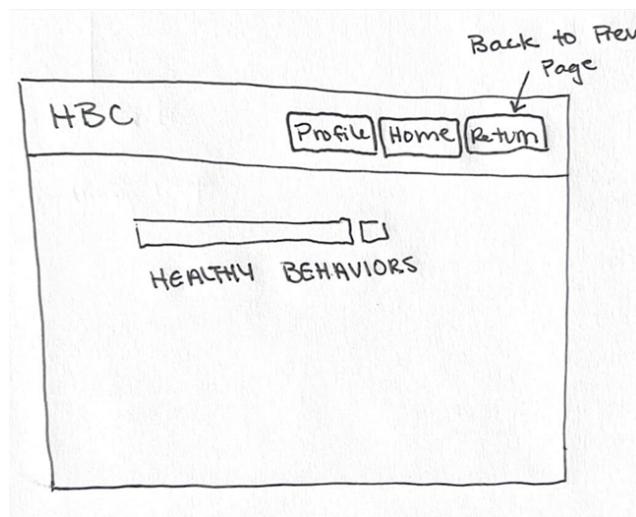
I want to have a button that will return the user to a previous page

Implementation status: Accepted

Changes:

Add return buttons for instructors to navigate back to previous pages easily. Update unit and integration tests to cover the new functionality and ensure code quality.

Lo-Fi Mockup:



Details:

The screenshot shows a web application interface for adding trainees to a challenge. At the top, there's a header with the HBC logo, a 'Home' link, and 'My Profile / Sign Out' options. A green notification bar at the top center says 'Trainees were successfully added to the challenge.' Below it, the main content area has a title 'Add Trainees: Keep Fit'. There's a search bar with placeholder text 'Search for Trainees' and a note below it: 'Hold down the Control (Ctrl) key to select multiple trainees.' A scrollable list box displays a single entry: 'Example: Francis Bul'. At the bottom of the form is a large blue button labeled 'Add Trainees'. To the right of the main content area, there's a vertical sidebar with a 'Back' button.

18. Return Button Client

Point Estimate: 3

As a client

So that I can return to previous pages

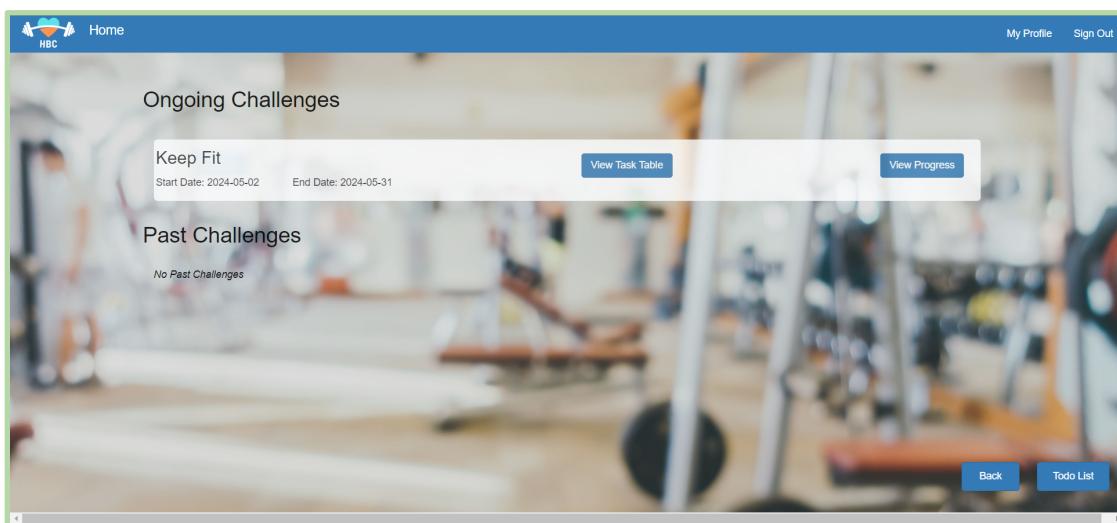
I want to have a button that will return the user to a previous page

Implementation status: Accepted

Changes:

Add return buttons for trainees to navigate back to previous pages. Update unit and integration tests to cover the new functionality, ensuring code quality and reliability.

Details:



19. Eliminate RuboCop ad Rubycritic Errors

Point Estimate: 3

As a developer

So that development testing is passing

I want to run rubocop and rubycritic and see few if any errors

Implementation status: Accepted

Changes:

Resolve RuboCop and Rubycritic errors to improve code quality, consistency, and maintainability.

20. Eliminate Cucumber and Rspec Errors

Point Estimate: 3

As a developer

So that I development testing is passing

I want to run cucumber and rspec and have no failing tests

Implementation status: Accepted

Changes:

Resolve failing Cucumber and RSpec tests, ensuring all tests pass. Expand test coverage for both Cucumber and RSpec, achieving over 90% coverage to improve software quality and reliability.

21. Fix Mobile Interface

Point Estimate: 3

As an HBC user

So that the mobile interface has proper functionality

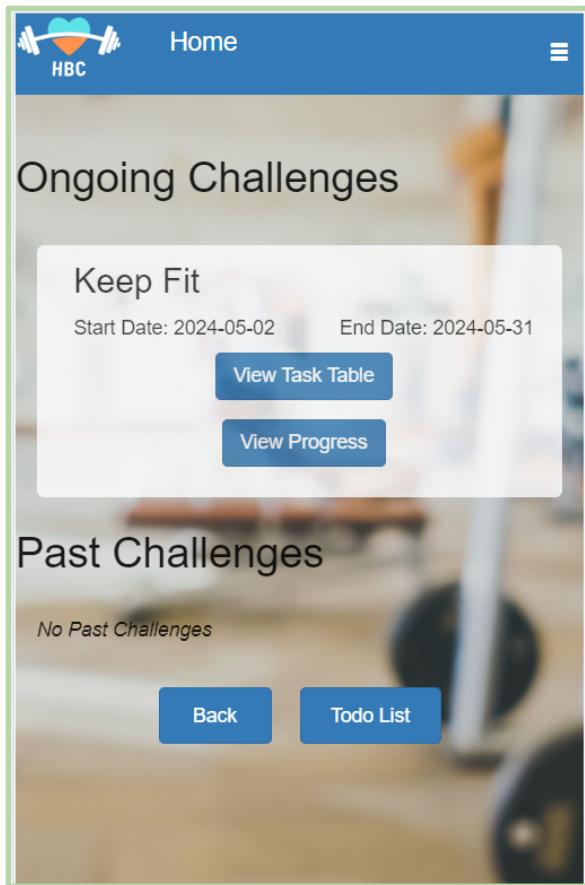
I want to have the same abilities and use of application on web and mobile

Implementation status: Accepted

Changes:

Optimize the mobile view for the Login, Home, and Challenge pages, ensuring a seamless experience for both instructors and clients. Resolve issues with the View Task Table on mobile devices and implement mobile functionality for the Discussion Board page to provide a fully responsive user interface.

Details:



This is a detailed view of the 'Challenge: Keep Fit' from the previous screenshot. The title 'Challenge: Keep Fit' is at the top. Below it, the challenge details are listed: Duration: 30 days, Participants: 1, Start Date: May 02, 2024, End Date: May 31, 2024, and No of Tasks: 2. A 'Todo List' section is present, containing the following tasks:

- 1. Exercise for at least 30 min
- 2. Swimming every two day

Customer Meetings:

Jan 26 - 01:00 PM - Zoom

Discussion: They liked the new UI elements with the designs including emojis. They did not provide further feedback, even when we talked about what is next. Most of their demands from the initial meeting are still captured in the stories.

Feb 1 - 01:00 PM - Zoom

Discussion:

- There are some examples of the tracker apps to look at,
- For functionality she wants to see all the clients that she has
- She created a mockup workout routine
 - The PDF format is not good
- Adding personalized workout plans for the client, she can determine each number of workouts, how many reps sets weights and tracking the progress
- She wants to see a time progress
- She does a lot of stuff on the phone
 - A mobile friendly website could be better
- This excel sheet the final product?
 - It is open for interpretation
 - Original one is more like the PDF that is shared but more prettier
 - A better layout
- For the tracker is it about the percent completed
 - More than percentage it should be more about the streaks
 - Percentage is fine too but the streaks are the main focus
 - For a streak, if they complete a workout that keeps the streak
- Workout tracker
 - Go into each persons plan
 - Do we want the Client to add notes
 - It would be better to have that functionality as well
- Is this used during the workout?
 - Yes, for Dr. Ritchey that is the key, so a mobile version would be better to have since this app is used during the workout
 - Autosave would be appreciated as well for changing the workout
- Question about the week
 - Looking at the last weights and reps do not have to be on the client just the trainer needs to see the progress
- What is the most important thing could be to see implemented in this
 - Get the old one working first
 - Get the major pages made and title

- She is a top-down person
- Not picky about what gets done first
- What is more important will be stated later
- Seeing a two pages set one for the trainer and one for the client would be good to see at the end of sprint 1
- Weekly meeting with the client

Feb 12 2024 - Zoom

Discussion:

- What has been planned for the sprint 1 is discussed
- Confirmed the last version of the app and reported the tests from the previous team

Action Items:

- Deploy the app this week so that client can give live feedback
- Let Niki know about the demo schedule

Mar 19 2024 - Zoom

Discussion:

- Work completed during Sprint 2
- Work planned for Spring 3
- Confirmed the last version of the app

Mar 27 2024 - Zoom

Discussion:

- Preview of Sprint 3 Features
- Verify UI issues for Mobile view
- Discussed UI Design preferences and specifications

Action Items:

- Fix navigation/buttons in Mobile UI to ensure intuitive navigation

April 2 2024 - Zoom

Discussion: Dr. Niki provided feedback including positive remarks on our implementations of the new UI, added navigation bar, home button, and mobile views. However, she mentioned that having a discussion board for the trainees and instructors would be a nice addition.

April 17 2024 - Zoom

Discussion:

- Progress update for sprint 4
- Ensured expectations were consistent.

Action Items:

- Share the final report with client
- Find meeting time with Sheena
- Transfer ownership of application to Dr. Philip Ritchey at the end of the semester

April 23 2024 - Zoom

Discussion: Dr. Niki provided feedback, including positive remarks on our implementation of the return button, mobile view, and discussion board. However, she suggested adding a home button and deleting functionality to the discussion board to enhance its usability and convenience.

April 30, 2024 – Zoom

- Gave a full application demo to both Dr. Ritchey and Sheena to show them the latest version of the application.
- Demonstrated how the discussion board worked
- Showed the latest bug fixes to the challenge tracker table
- Showed the mobile and tablet UI

Issues During Deployment

We did not initially have issues with deploying to Heroku. However, after the integration of SimpleDiscussion, the application would not properly deploy to Heroku. This was believed to be due to the changes necessary to support the forum database. The first attempt included deleting the database and rebuilding. However, this was unsuccessful. Ultimately, the application was deleted completely and deployed again.

Tools and Gems

- RubyCritic. The purpose of RubyCritic is to provide a report of the quality of the ruby code in the codebase. It can help developers write better code that is more readable and maintainable.
- RuboCop The purpose of RuboCop is to analyze the format and style of ruby code in the codebase. It helps increase code readability and maintainability.
- SimpleCov The purpose of SimpleCov is to show what code in the codebase is covered by the tests. This helps identify what code needs to be tested.
- Cucumber The purpose of cucumber is for Behavior Driven Development. It allows writing tests in natural language that can be understood by non-technical people.
- RSpec The purpose of RSpec is for Test Driven Development or Behavior Driven Development. It allows developers to write test cases to test functionality of the application. Can also act as documentation of expected behavior of the system.

GitHub Repo Description

Clone the Repo

1. Please visit <https://github.com/ComicAddict/healthy-behavior-challenge> to clone our project.
2. Command to clone:
 - a. `git clone https://github.com/ComicAddict/healthy-behavior-challenge`

Local Deployment

1. Install Docker
 - a. <https://docs.docker.com/desktop/install/windows-install/>
 - <https://docs.docker.com/desktop/install/mac-install/>
 - <https://docs.docker.com/desktop/install/linux-install/>
2. Continue Without Sign In
3. Skip Survey
4. Open Terminal
5. Verify docker installation by running
 - a. `docker --version`
6. Run
 - a. `git clone https://github.com/ComicAddict/healthy-behavior-challenge.git`
 - b. `cd healthy-behavior-challenge`
7. Duplicate `.env.template` file and save in same location with name as `.env` Linux-Max: `cp .env.template .env` Windows: `copy .env.template .env`
8. Run
 - a. `docker compose up`
9. Wait until all containers are built
10. start another terminal
11. Run
 - a. `docker ps`
12. copy the 'CONTAINER ID' of the IMAGE named `healthy-behavior-challenge-web`
13. Run
 - a. `docker exec -it <insert container id here> /bin/bash`
14. This will give terminal access to the docker environment which the app is running.
15. Run
 - a. `rails simple_discussion:install:migrations`
 - b. `rails db:migrate`
 - c. `rails db:seed`
16. Open `http://localhost:3000/` to see the deployed app
17. Credentials are:
 - a. Email : `healthybehaviorchallenge@gmail.com`
 - b. Password : `asdf`

Running Tests

1. Set RAILS_ENV=test
2. For Cucumber Tests Run:
 - a. cucumber -s
3. For RSPEC Tests Run:
 - a. bundle exec rspec
4. For Rubocop Run:
 - a. bundle exec rubocop
5. For Rubycritic Run:
 - a. bundle exec rubycritic

Remote Deployment

1. Run heroku login
2. Run heroku create your-app-name
3. Run git push heroku main
4. Go to heroku and add-on postgres from resources
5. Go to settings -> configuration variables
6. Add a configuration variable PROJECT_EMAIL and add value as your email
7. Add a configuration variable PROJECT_PASSWORD and add value as your gmail app password
8. Run migrations
 - a. heroku run rails simple_discussion:install:migrations
 - b. heroku run rake db:migrate
9. App is deployed. One can open the app through this cmd heroku open

Project Links

- Pivotal
 - <https://www.pivotaltracker.com/n/projects/2675842>
- Github Repo
 - <https://github.com/ComicAddict/healthy-behavior-challenge.git>
- Heroku App
 - <https://hbc-7816e19126cb.herokuapp.com>

Presentation and Demo Video

- [Video Link](#)