

Peak Visualization Fourth Iteration

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Client Information

Alicia Mckoy - Peak Mind
- alicia@joinpeakmind.com

Mentor Feedback

- Beginning/Mid Iteration
 - Tips on negotiating features with client rather than just expecting them.
- Before Client Meeting
 - Look into playwright or cypress for frontend testing.
 - Change unit tests to run in container for webapp Frontend and Backend.

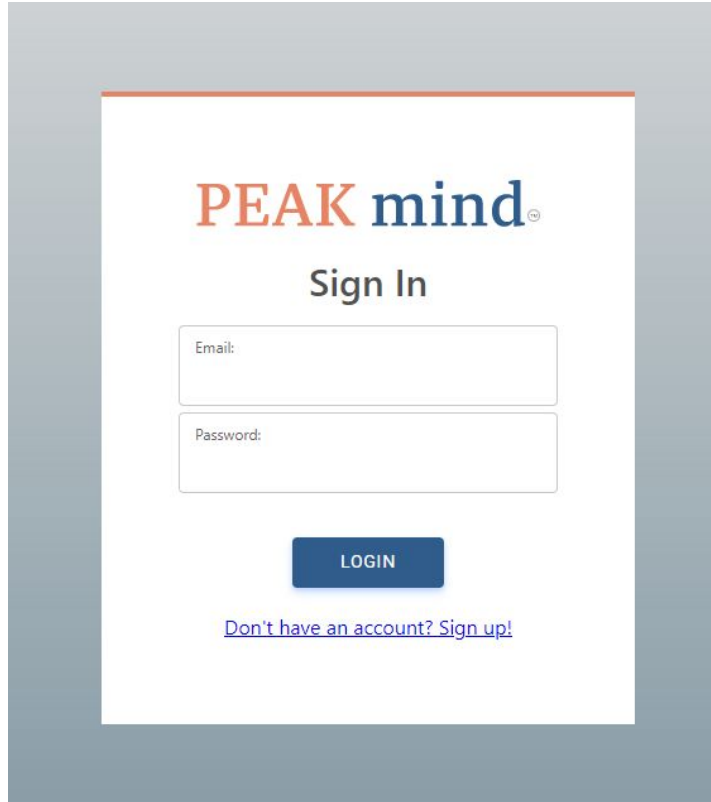
Client Feedback

- She liked the authentication system, although it might just be replaced by theirs in the future.
- She would like stronger password enforcement.
- She was interested in a way for people working at Peak Mind to view a collection of datasets with the notes.

Client Software Use

- She had a little difficulty on where to view the notes in the webapp.
- She had trouble understanding how the notes were associated to data point entries at first.

User Authentication & Registration



PEAK mind[®]

Sign In

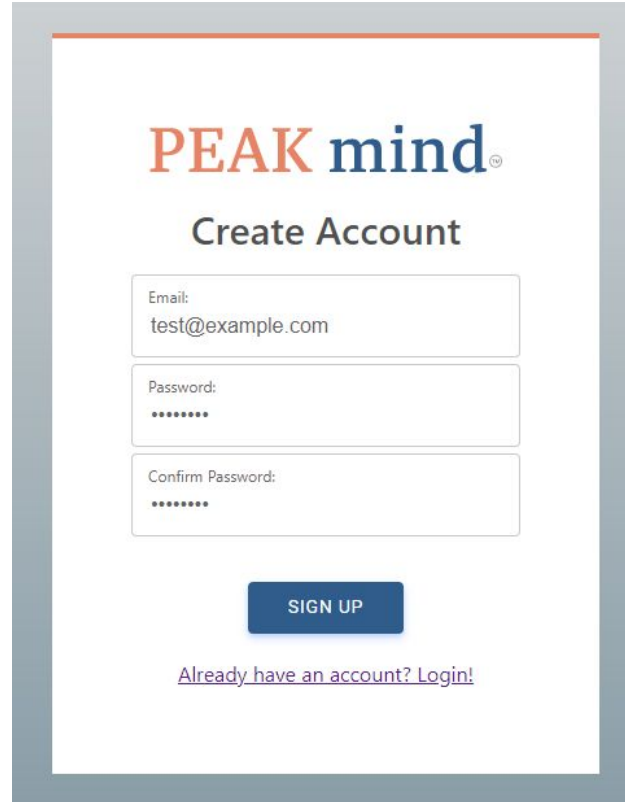
Email:

Password:

LOGIN

[Don't have an account? Sign up!](#)

The sign-in form is centered on a white background with a thin orange border at the top. It features the 'PEAK mind' logo at the top, followed by the title 'Sign In'. Below the title are two input fields: 'Email:' and 'Password:'. A blue 'LOGIN' button is positioned below the password field. At the bottom, there is a blue link that says 'Don't have an account? Sign up!'.



PEAK mind[®]

Create Account

Email:
test@example.com

Password:
.....

Confirm Password:
.....

SIGN UP

[Already have an account? Login!](#)

The create account form is centered on a white background with a thin orange border at the top. It features the 'PEAK mind' logo at the top, followed by the title 'Create Account'. Below the title are three input fields: 'Email:' (with the value 'test@example.com'), 'Password:' (with masked characters '.....'), and 'Confirm Password:' (with masked characters '.....'). A blue 'SIGN UP' button is positioned below the confirm password field. At the bottom, there is a blue link that says 'Already have an account? Login!'.

Notes Taking

Time (sec.)

Add note

Timestamp: 31.11s.
Heart rate: 86bpm.
Notes: This was calming

Close

Save

Session Notes

Close

- Hi Connor, hope you are well
- Timestamp: 31.11s. Heart rate: 86bpm. Notes: Im aight Tyler lets submit this dam iteration

Notes Taking

Simulation Complete

I felt really panicked when the kayak flipped.

Save Note

Upload Session Data

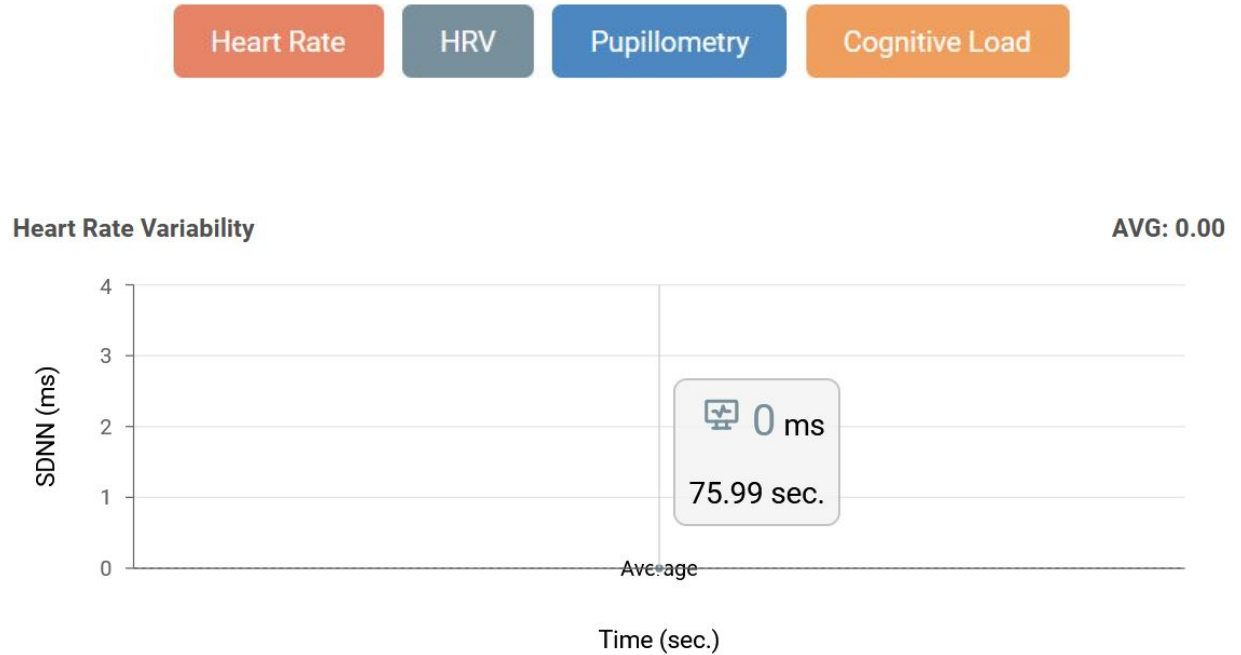
Save Session Data to Disk

User Authentication

PEAK mind Omnicept Dashboard

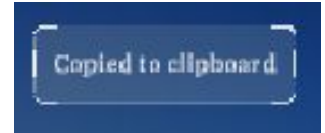
Web App - Heart Rate Variability

- A button and graph was added to the webapp for heart rate variability
- HRV is measured by standard deviation of normal-to-normal R-R-intervals (SDNN)
- SDNN is a number (ms) that shows whether or not your variability is within the standard overall range
- Higher numbers usually indicate that your body is coping better with stress



Unity Dashboard – Filepath Copy Button

- After the saving the session data to disk, the user can now click the “Copy filepath” button to copy the filepath to the clipboard
- After the button is clicked it tells the user that it has been “Copied to clipboard”



Benefits to Client

- Increased security for user's biometric data.
- Fully connects the Unity dashboard with the web application in a way the is more intuitive and familiar to users.
 - Clients always ask to see the data after the labs with Alicia.
- Makes the Unity Dashboard easier to use while saving data locally.
- Notes provide more context to researchers looking at the datasets at Peak Mind.

Planned Fifth Iteration Features

- Normalize webapp graphs
- View multiple datasets at once on the graphs
- “Forgot password” button
- Add a tier system for how users, managers, and admins logins are created
 - Admins can:
 - Create users and managers
 - Set users’ ids
 - Can access all data
 - Managers can:
 - See aggregated data of a group of users
- Put an example of real simulation data into the web app

Tyler discovered Sasquatch on spring break

