LivBoulder - Activity Recommendation
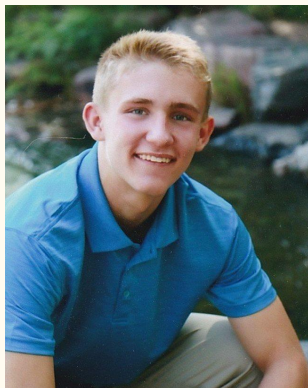
Our Team

BRENDA

RYAN

TRAVIS

QIUYANG

MATT

What is LivBoulder?

Web application

Complete a quiz and get activity recommendations

Personal user account

A simple inspiration tool to help fuel outdoor adventures

Why LivBoulder?

45,000 acres of open space

150 miles of biking/hiking trails

90.2% of people in Boulder spend leisure time doing physical activity

Project Management Method

Agile ---> **Waterfall** - Began agile, but as time went on, moved towards a more waterfall style mindset

Group Meetings - Met once per week, 1-2 hours, Benson Library

Meeting Minutes - Hosted on GitHub, if a member missed could catch up

Pair Programming - Work occasionally assigned to two people

Peer Code Review - code looked over/ tested by entire team to complete website

Communication and Sharing

★★★★★

★★★★★

Google Drive

★★★★★

Front End

HTML	CSS	Javascript	Bootstrap

Backend

MySQL Workbench

PostgreSQL

Integration

Flask (Python)

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Deployment

Challenges We Encountered

Challenge: Integration Layer

    Running code across all member's computers

    Integration btw/ JavaScript and Flask

Solution:

    Group member w/ experience in Flask

    Running on 3 computers

    Google searches

Challenges We Encountered

Challenge: Scope

   Not able to complete original size of scope ("things I want to do" section, profile page, etc.)

Solution:

   Focused on getting most important elements working correctly (Login page, basic recommendations)

Challenges We Encountered

Challenge: Communication

    Group member not showing up/ responding to messages

    Roles unclear at times

Solution:

    Delegated missing member's work to other group members

What We Learned

DEFINING ROLES:

Defining roles is important to success!

Project manager, front end specialist, back end specialist, etc

Ensures each portion of project receives attention it needs

SOFTWARE DEV IS HARD:

Easy to see how so many projects fail

Need to have perseverance, be willing to learn a lot

Be ready to adjust and make changes on the fly

LIVE DEMO!