Health Analyzer

By: Team 39
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The Team

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Problem Statement

At any given time, an average person doesn't understand the state of their own health in depth, and they are unaware of potential complications they might have in the future.

Our Innovative Solution

We designed and created a site which asks the user for personal information, such as weight and height, and using that information, our site calculates, and outputs varies important health information such as BMI.

Architecture & Technology Stack

Our collection of tools platforms, web applications, and API's used to build our application.

HTML

Front-End

Graphical user interface UI/UX

CSS

Front-End

Manages Theme and Style

JavaScript

Manages the interactive web features.

Programming Language

Back-end

Used for writing the code of a web application.

Database

Front-End

Storying our application data

Server

Back-End

Proccess requests coming from client-side

The Healthcare API's

BMI API

Provides us with all the necessary information needed regarding a users height and weight

Healthcare API

How is the landscape differentiated and what makes you different.

APIMedic API

Provides a comprehensive list on symptoms and will output a diagnoses based on your symptoms

Webster Medical Def. API

Gives users with quick access to tons of medical terminology and definitions.

Product Demonstration

Proceed with the Live Demo to present our website

Agile Methodologies Implementation

An overview of how we applied the Agile Development methodology to our software design

Sprint I: Week 1/2
Phase: Conception

Determined scope, established key requirements, prepared required *procurement* documentation

Sprint I: Week 2
Phase: Inception

Assign roles to software development team, establish framework, gather tools and resources

Sprint II: Week 3
Phase: Iteration

Gathered user stories and built prototype UI/UX as outlined in our documentation.

Sprint II: Week 4
Phase: Release (*Github)*

Developed the user study report, tested the systems for QA, tested for functionality, and detected and fixed bugs

Sprint III: Week 6
Phase: Ongoing Support

Sprint meetings complete and expert report completed identifying usability drawbacks

Sprint III: Week 7
Phase: Retrospective/Close

Completed end-project retrospective; Reflect(ed) on iteration proccess & identified improvement for future

Sprint Development Workflow

Work was divided into sprints, with the goal of producing a working product at. the end of each sprint.

Plan
Sprint began with a plannning meeting, where we outlined components for upcoming round of work

Develop
Design and developed our application in accordance with the requirements documentation

Test/QA
Complete through testing and documentation of results before delivery

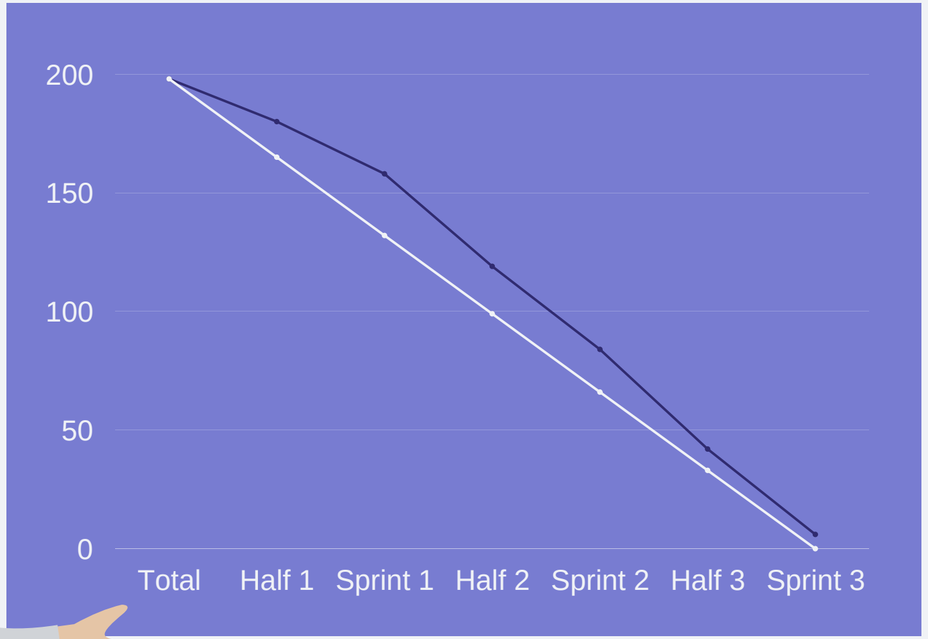
Deliver/Demo
Presented our working software

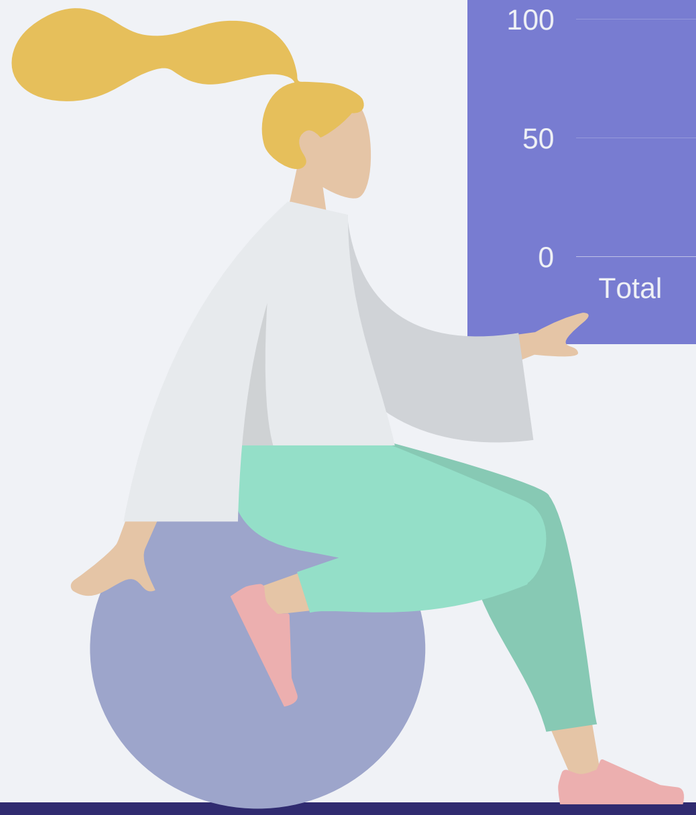
Assess
Solicitated feedback from *users, experts(unbiased spectators)*

Product Burn-down Chart

SmartWatch

At the beginning of the project, during Sprint 1, we tried to incorporate smartwatch APIs into our project, but after further examination, applying this API will be too complicated to apply in a short amount of time.





Thank You!

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