

BEAT ME

LEAVE A FOOTPRINT FOR CHALLENGE



CSCI499 CAPSTONE PROJECT

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The Problem

Less than 5% of adults participate in 30 minutes of physical activity each day

Only about one in five homes have parks within a half-mile, and about the same number have a fitness or recreation center within that distance.

Nearly one-third of high school students play video or computer games for 3 or more hours on an average school day.

*<http://www.fitness.gov/resource-center/facts-and-statistics/>

The Solution

Activity Log



Compete



Monitoring



Achievements



Gear Comparison



Socialize



The Solution

Activity Log



Data
Science

Geographical
Data

Fitness Data

The Solution

Compete



Place

Time

Race

The Solution

Monitoring



Global
Fit Data

Compare

Get Shape

The Solution

Achievements



Lead

Development

Motivation

The Solution

Gear
Comparison



Update

Value

Gear up

The Solution

Socialize



Share

Connect

Create

Goals



The creation of a Database - users and sensors
(fitness + geographic information).



iOS app development. (GUI, Algorithm, Ranking)
Web site development .

Goals



Gear suggestion.
Amazon API Getaway Pricing.



Incorporate social media

Technology

Application (iOS)

Swift

Direct call to sensor information

Authentication - using Google / Facebook login.

Technology

Website

HTML

CSS

Javascript(Angular.js)

Technology

Back-End

Heroku

MongoDB

Node.js + Express

Work distribution

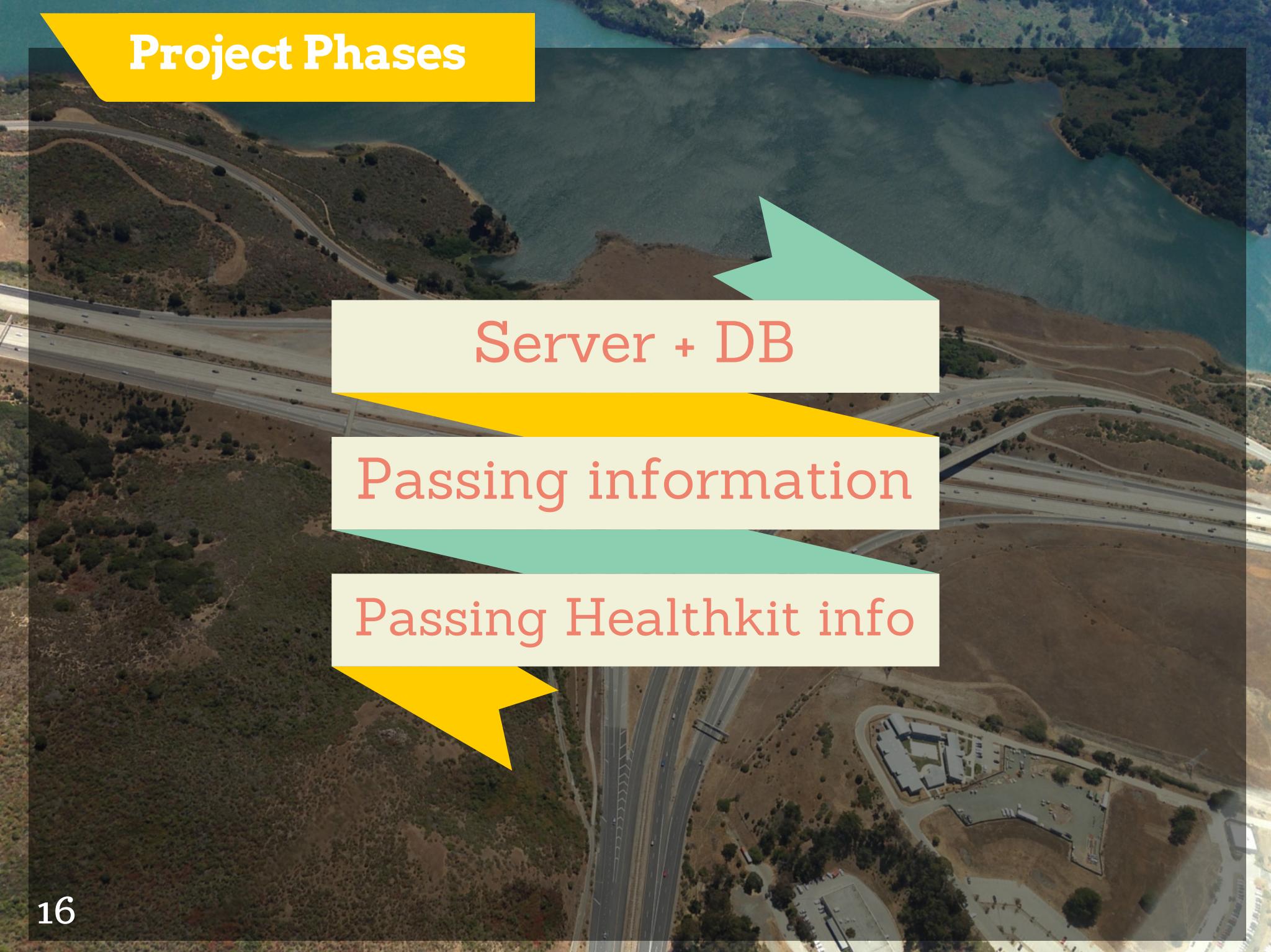
Satbir Tanda, Itzhak Koren Kloussne - iOS app.
(Swift)

Jason Deng - Website.
(HTML, CSS, JavaScript(Angular.js))

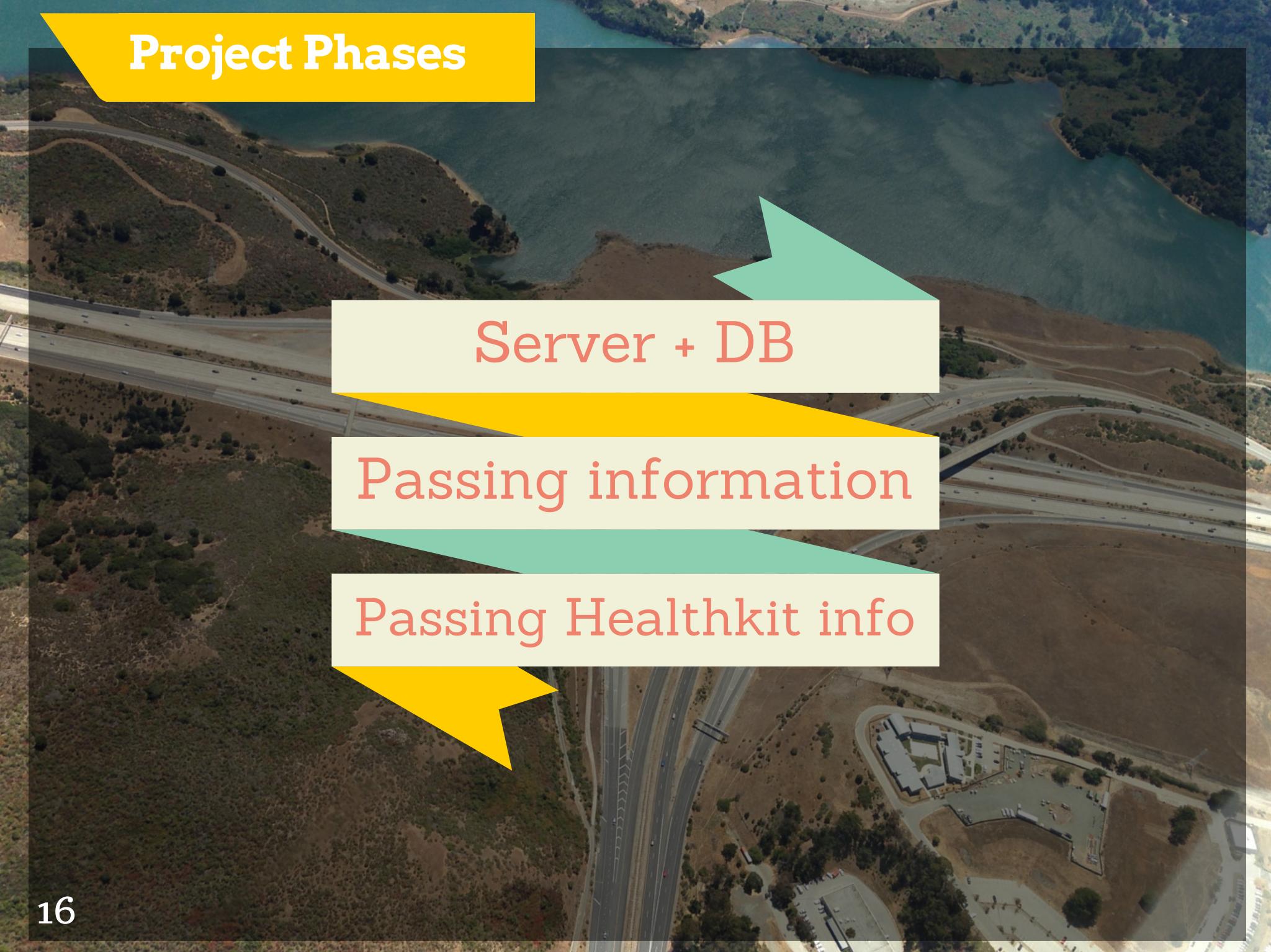
Cheng Pan - Server. (Node and Express)

Lizhou Cao - Data visualization (JavaScript)

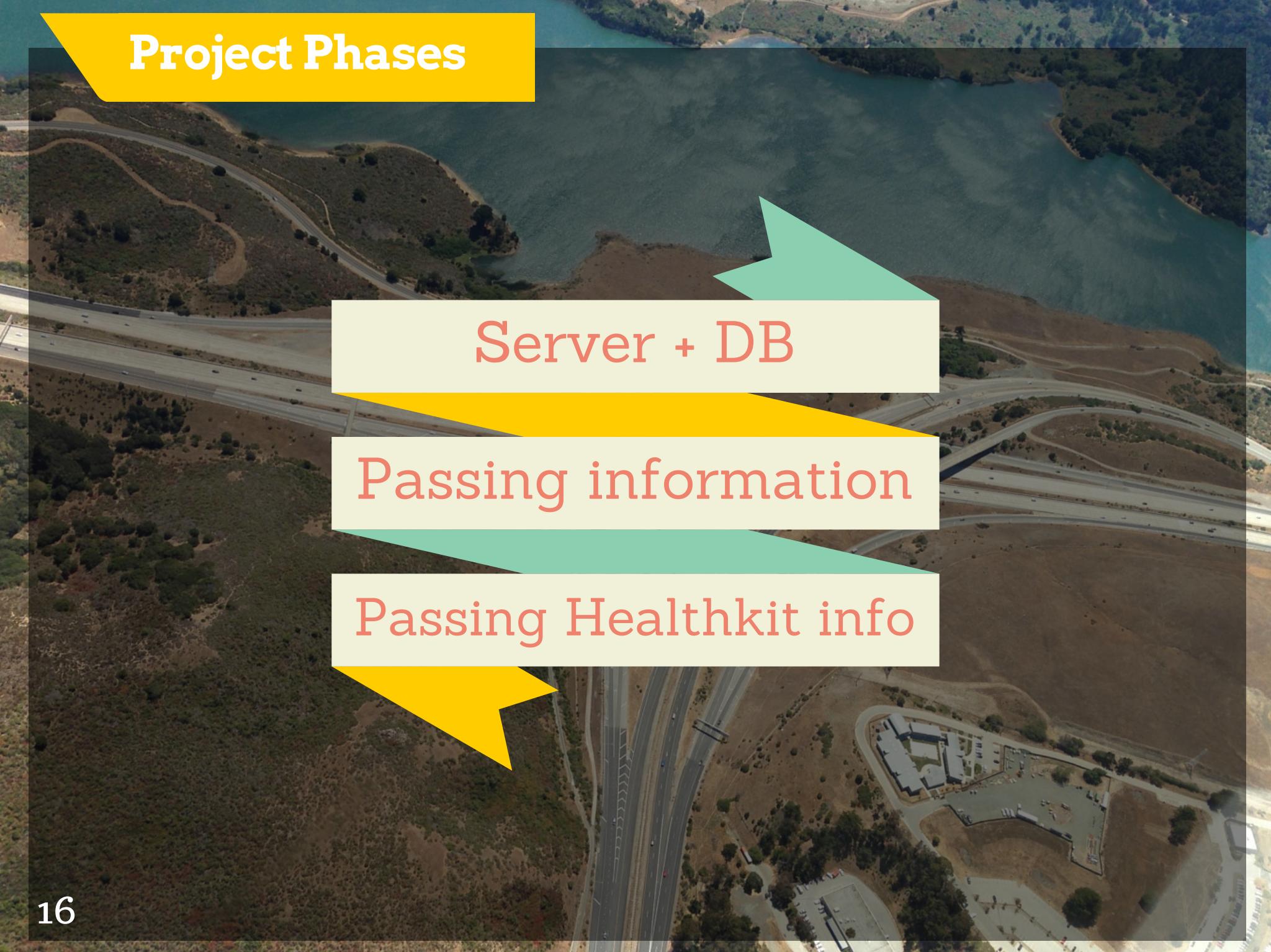
Project Phases

The background of the slide is an aerial photograph of a landscape featuring a large, dark blue lake on the right, a winding highway on the left, and rolling hills covered in green vegetation. A large, light blue arrow points from the bottom right towards the top left.

Server + DB

The background of the slide is an aerial photograph of a landscape featuring a large, dark blue lake on the right, a winding highway on the left, and rolling hills covered in green vegetation. A medium blue arrow points from the bottom left towards the top right.

Passing information

The background of the slide is an aerial photograph of a landscape featuring a large, dark blue lake on the right, a winding highway on the left, and rolling hills covered in green vegetation. A yellow arrow points from the bottom left towards the top right.

Passing Healthkit info

Project Phases

User Interface

Visualization

Algorithms



Project Phases

Gear Suggestion

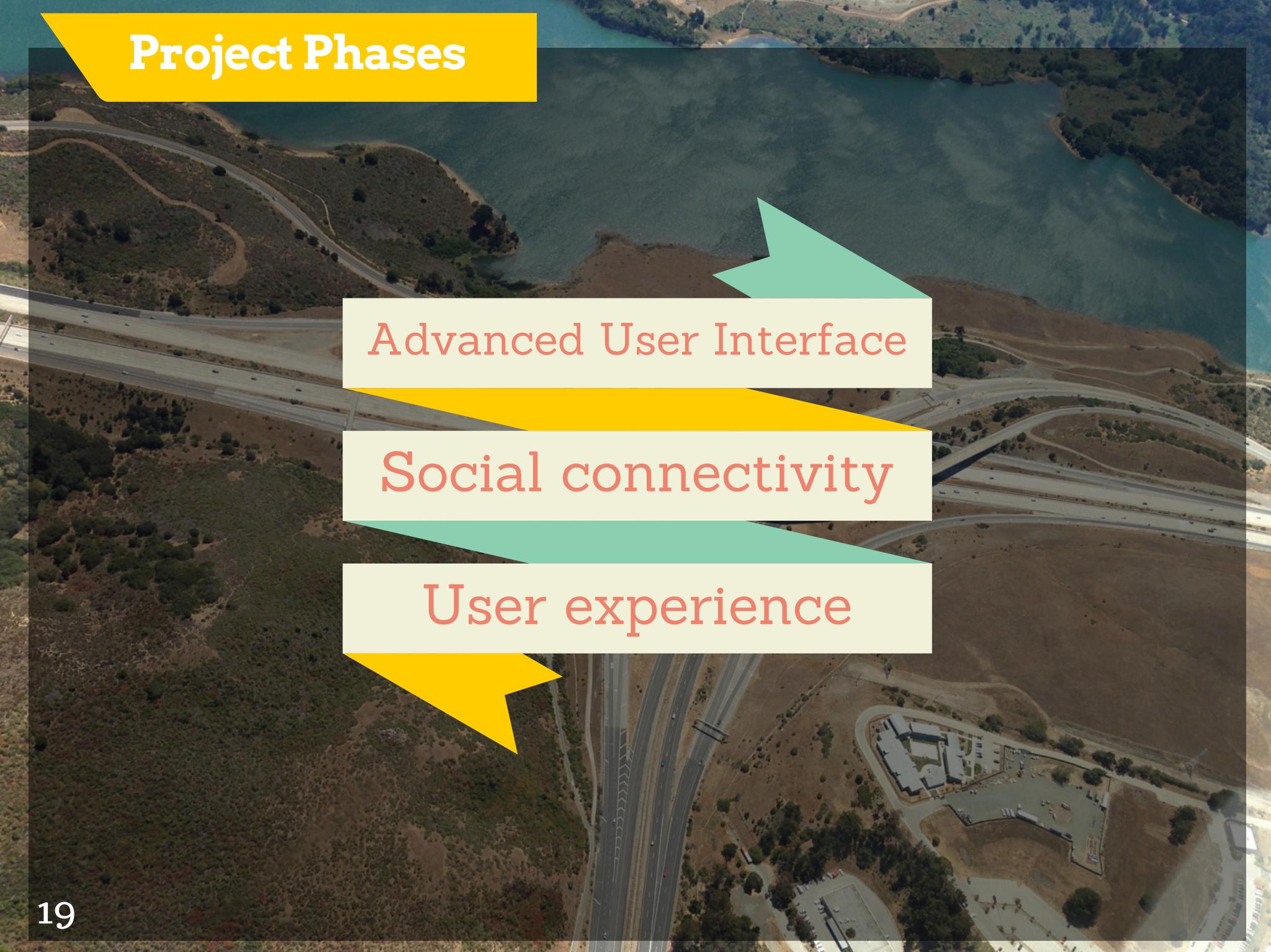
Gear price (Optional)

Wearable device (Optional)

Project Phases

An aerial photograph of a landscape featuring a winding highway on the left, a large reservoir or lake in the center, and rolling hills covered in sparse vegetation on the right.

Advanced User Interface

An aerial photograph of a landscape featuring a winding highway on the left, a large reservoir or lake in the center, and rolling hills covered in sparse vegetation on the right.

Social connectivity

An aerial photograph of a landscape featuring a winding highway on the left, a large reservoir or lake in the center, and rolling hills covered in sparse vegetation on the right.

User experience

Help Us With a Name

Beat Me

Race Me
Get Set
Geo race

WHY US

- Create and use preset Routes
- Competition & motivation

- Dynamic matching

