Mint

Helping you decide your future

Our Mission

To provide our users with information they can utilize while making decisions for their future

Our Objective

Background

"Obtaining a higher education takes time, effort, and a lot of money.

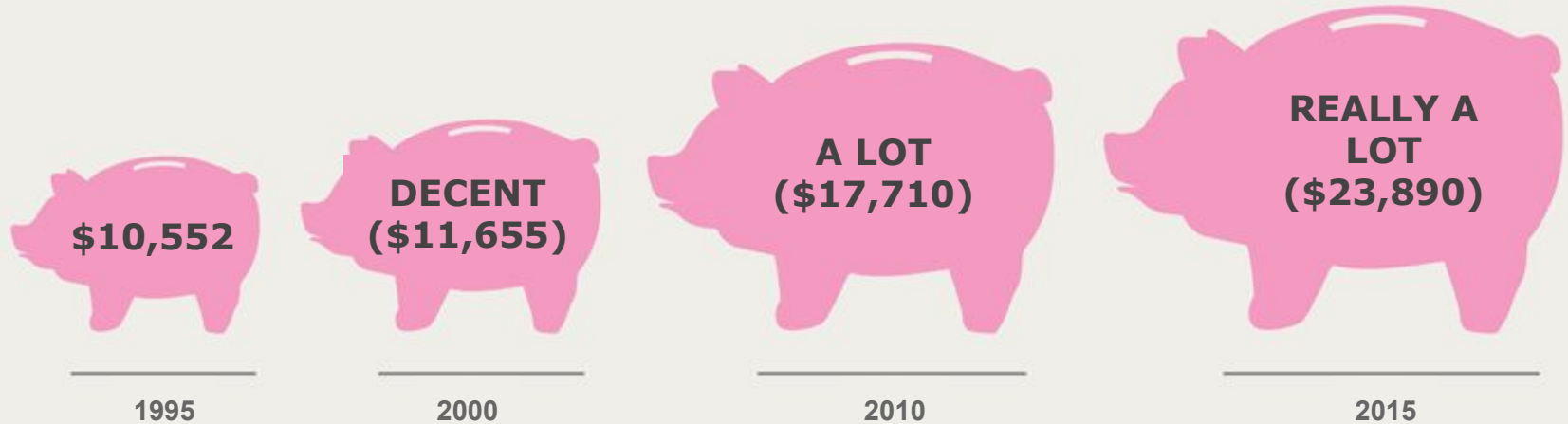Is it worth it for me to obtain a college degree?"

Target Audience

- Potential students in a dilemma about pursuing higher education
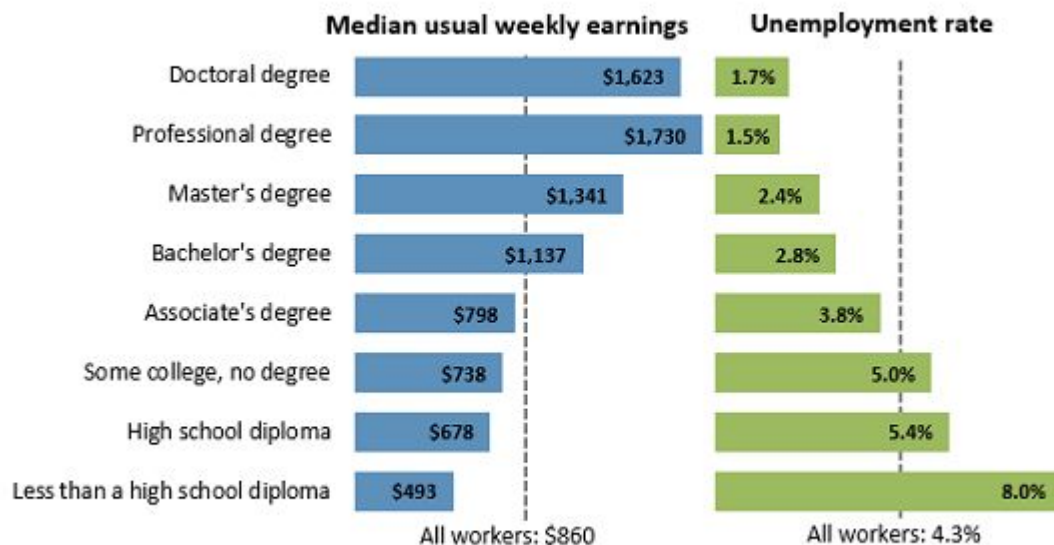- Working professionals in a dilemma about going back to school

Problem

COLLEGE TUITION RISING

$10,552

DECENT
($11,655)

A LOT
($17,710)

REALLY A
LOT
($23,890)

1995

2000

2010

2015

Problem

Earnings and unemployment rates by educational attainment, 2015

Median usual weekly earnings | **Unemployment rate**

	Median usual weekly earnings	Unemployment rate
Doctoral degree	$1,623	1.7%
Professional degree	$1,730	1.5%
Master's degree	$1,341	2.4%
Bachelor's degree	$1,137	2.8%
Associate's degree	$798	3.8%
Some college, no degree	$738	5.0%
High school diploma	$678	5.4%
Less than a high school diploma	$493	8.0%

All workers: $860   All workers: 4.3%

Note: Data are for persons age 25 and over. Earnings are for full-time wage and salary workers.
Source: U.S. Bureau of Labor Statistics, Current Population Survey

Problem

Most of the available data pertaining to this question are articles loaded with text
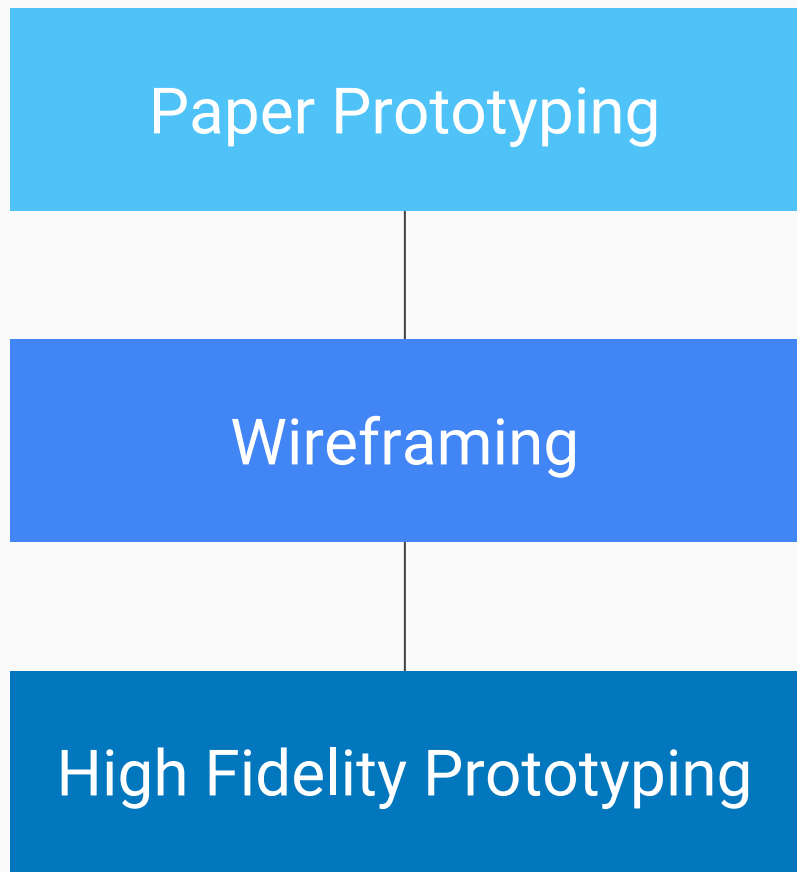
Our Solution

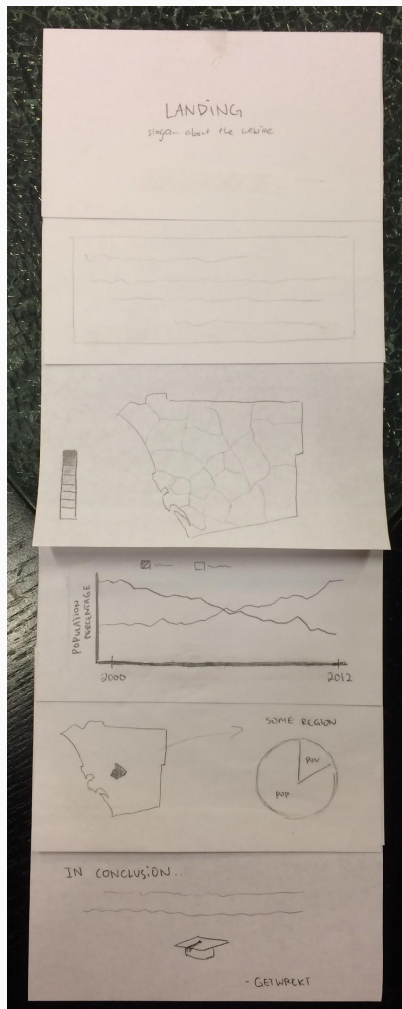Dynamic visualizations of different data pertaining to education and income

This helps users visualize and conclude whatever possible correlations that may exist when deciding on whether or not to pursue college
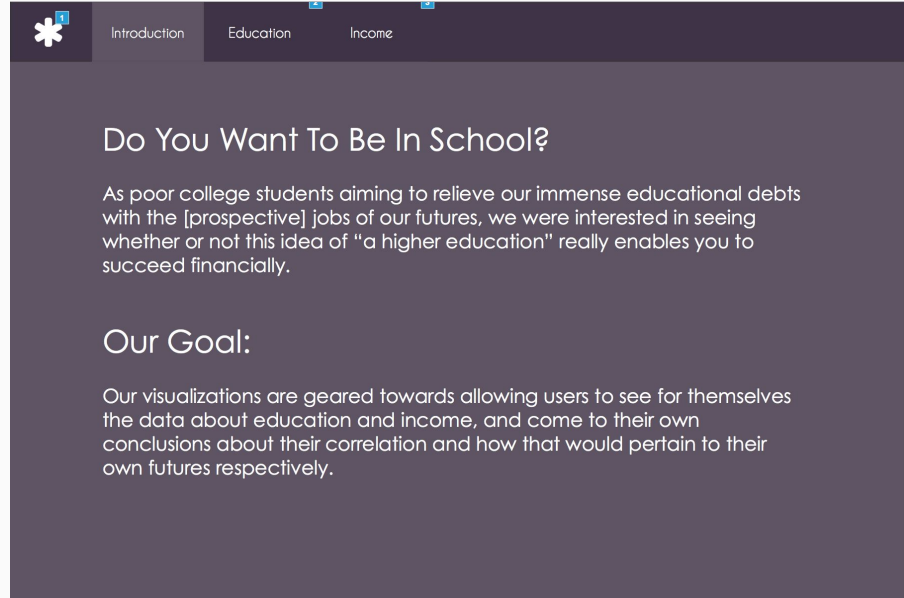
Design

Design Process

It was an iterative process to get to where we wanted

Paper Prototyping

Wireframing

High Fidelity Prototyping

Paper Prototype

Wireframing

High-Fidelity Prototype
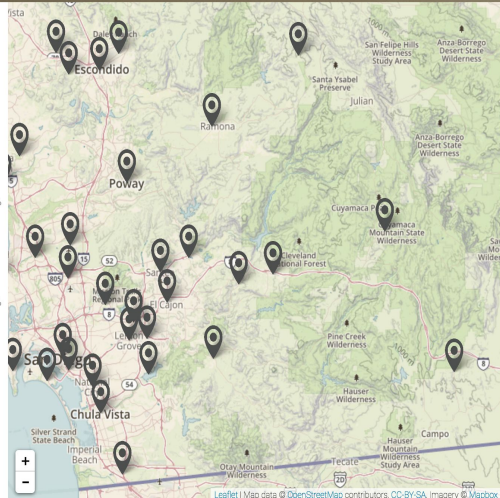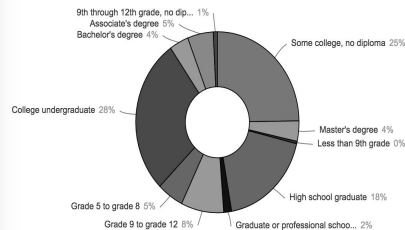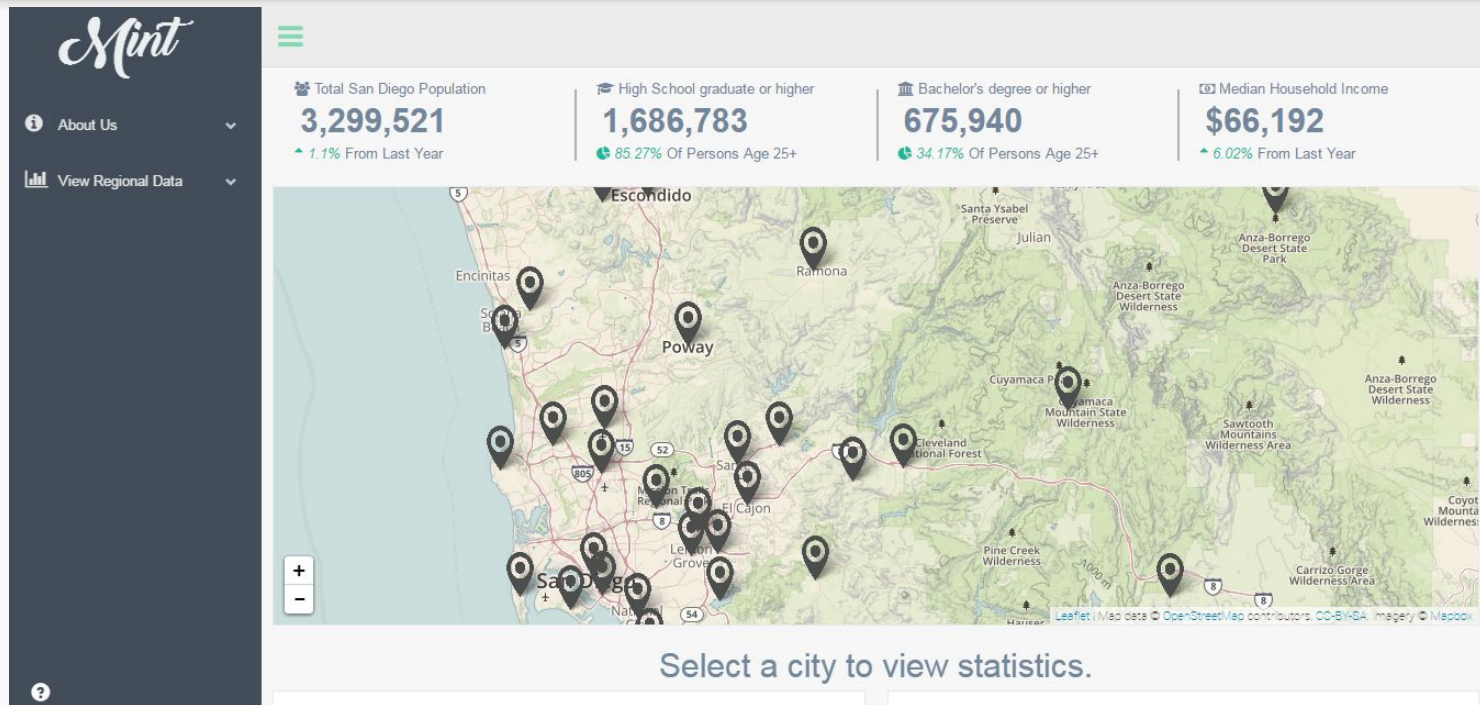
Final Design

Final Design Pt. 2
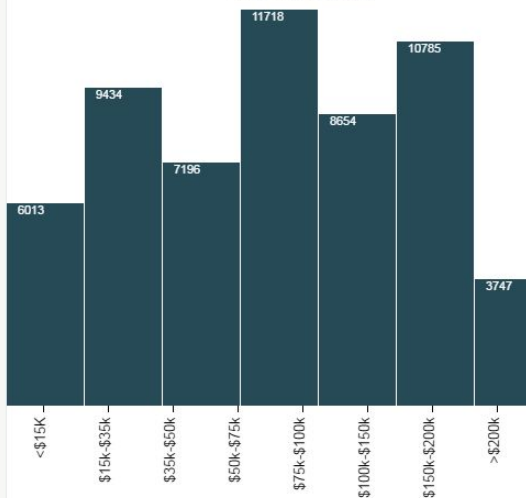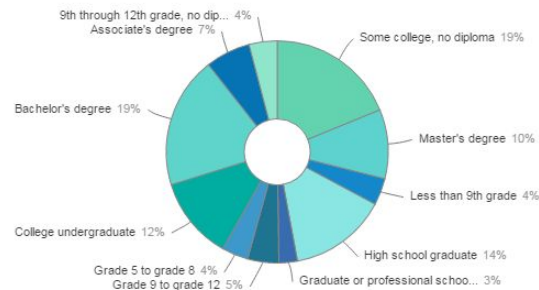
System Development

The People Problem

- Many people ask and want to know if college is really worth the investment
- Our application allows users to look at past records of education levels and the corresponding income levels for subregions of San Diego

Software Process

*"Our application allows users to look at past **records** of education levels and the corresponding income levels for **subregions** of San Diego"*

- Records meant **data**
- Subregions meant we needed a **map**

Technical Problems

MAPS & GRAPHS

→ Finding a suitable mapping library- Leaflet addressed our concerns
→ We used simple bar and pie charts to display data so that users have a degree of familiarity with the visualizations

EFFICIENCY

→ Database calls cause latency
→ We stored our data in local JSON files
→ Calls to local files experience much lower latency

Technologies

- **Leaflet Javascript Library**
  - Mapbox API
- **Bootstrap**
- **D3**
- **Express & Node.js**

Demo!

getmint.herokuapp.com

Conclusion

Project Risks

- Transforming plain data into something useful was a challenge
- Worried about not being able to present the data in a meaningful way
- Had trouble getting the visualizations to work correctly
- Designing the website

Team Structure

Calvin Gomez- Project Leader

Arnold Chen- Back End Development

James Kong- Visualizations

Alisa Prathnadi- Front End Design

Diana Ho- Data & Front End Design