Project 1 status report 2

TA Mentor: Haewon Hwang (hh474)
Team Members: Josh Zheng (zz459), Val Mack (dgm97), Jiangjie Man (jm2559)

What we have done:
Val

- Researched on potential dataset that could be used
- Discussed each idea and ranked top 3 ideas within the group
- Did hand drawn draft
- Added to status report 2

Josh

- Researched on potential dataset that could be used
- Discussed each idea and ranked top 3 ideas within the group
- Organized project material as well as scheduled meetings
- Helped editing status report 2

Jiangjie

- Research on potential dataset to use
- Reading the documentation on Quandl API for scraping the finance data
- Helped editing status report 2

Dataset: US Startup and Venture Capital
(https://www.quandl.com/collections/usa/usa-startups-venture-capital)

“New businesses are an important part of the US economy. According to the Kauffman Foundation, new businesses (0-5 years old) are responsible for almost 20% of gross job creation and nearly all of the net job creation in the United States.
However, not all new businesses are startups in the popular sense of the term. Most new businesses are in the service industry, and are not designed to scale. Startups are differentiated by the fact that scaling is an essential part of their identity. As Paul Graham writes, "startups are defined by growth".

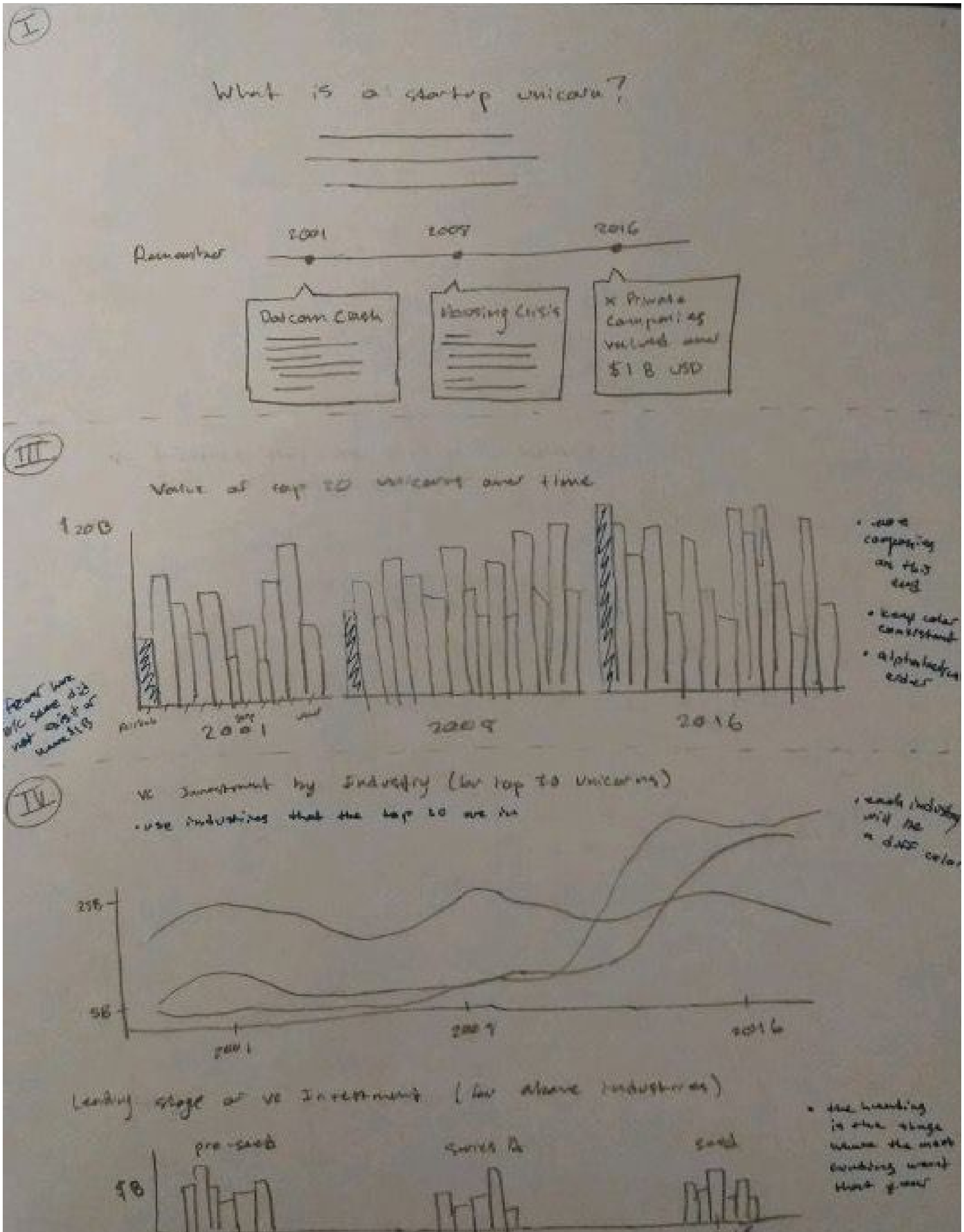
In the USA, and especially in Silicon Valley, there is a well-established template that startups follow in their quest for scale: initial seed funding by angel investors; early-stage and growth funding from venture capital and growth equity firms; followed by IPO or acquisition."

The term "unicorn" is used to described startups that are privately held and have a valuation of over $1 billion USD. They have been so named because they were rare 5 years ago, and since then the number of startups that fit into this category has increased by over 300% (http://fortune.com/2016/08/16/tech-unicorns-valuation-fall/). This dataset will allow us to illuminate these economic changes through a visual representation.

What we will accomplish:
All

- Read documentation on Quandl API and scrape data
- Look deeply into the dataset, understand the data, and clean the data if needed
- Try to come up with the example plot by the end of next weekend
- Think about other potential ways of better visualizing the data
- Start the basic html for the web page

Hand-drawn draft:


I
What is a startup unicorn?
Remember
2001
2008
2016
Dotcom Crash
Housing Crisis
x Private companies valued over $1B USD
III
Value of top 20 unicorns over time
$20B
2001
2009
2016
keep color constant
alphabetical order
IV
VC Investment by Industry (for top 20 unicorns)
use industries that the top 20 are in
each industry will be a diff color
25B
5B
2001
2009
2016
Leading stage of VC Investment (for above industries)
pre-seed
Series A
seed
5B
2001
2009
2016

II

Top 20 Unicorn startups

• size of bubble represents # of companies in that region

Airbnb

Stripe

Uber

12

Spotify

None

2

None

None

None

None

4

None

None

2

I

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