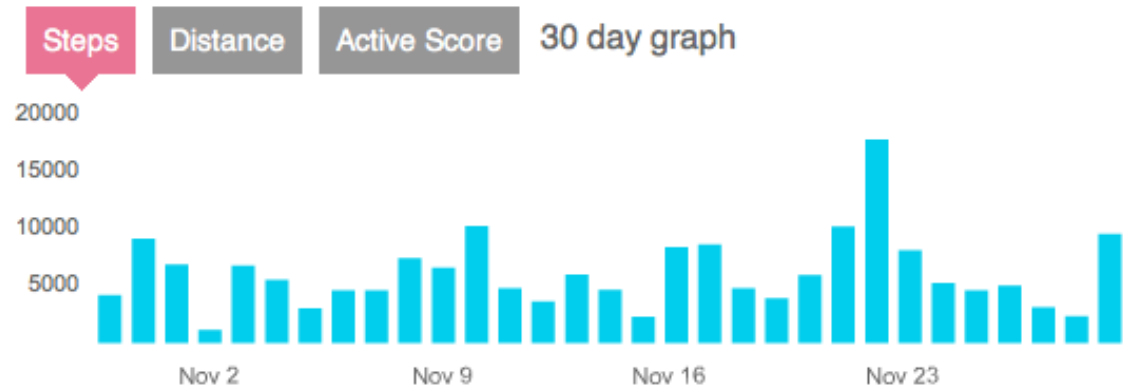# Group 4

Team Dine & Dash(board)©

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Introduction

- We will design and develop two versions of a Web application, that provides a dashboard for visualizing data; one version for analysts and the other for average users.

Users

- Data analysts (e.g. CS grad students)
  - 8 users recommended by the customers

- Quantified self (e.g. anyone with a Fitbit)
  - 8 random students on campus

Usability Goals

- Keep it simple
  - minimalistic design
  - clear icons
  - easy to navigate
- Flexible
  - support various data types

Software Design Methods

- Interviews
- Mockups and Prototypes
- User testing

Communication

- As a team, we use GroupMe messaging
- We communicate with our customers through email to set up meetings
- Communicate with users
    - Survey/Interview general customers around campus (Fitbit Users)
    - Set up meetings with customer colleagues(Experts)

Interviews

- Our customer interview questions
  - What type of data will we use, and what format will it be in?
  - What is the exact number of operators for the application, and how will they function?
  - Who are the target users?
- We will soon interview other experts and non-expert to gain a clearer perspective on the tasks users will be performing
- 2 subgroups
  - data analysts (8 people)
  - general users (fitbit users) (8 people)
- 30-60 minutes

Prototype/ Development

- Preliminary-prototype
  - met with clients to receive feedback:
    - Understand layout of UI
    - Understand operator functionality
- Refine Prototype
- Begin development of web application
- Perform User testing

User Testing

- Think aloud exercise on paper prototype/web application
- Bring in data analysts and fitbit users to test usability at every stage/in between every phrase

Time Plan - Phase #1

- Each phase will last approximately 2 weeks, with a total of 4 Phases
- This phase included the initial customer Interviews
- This phase also included our customer paper-prototype feedback session

Phase #2

- This phase includes interviews with both analysts and fibit users
- We will finalize our dashboard design in this phase and split into two teams
  - Team 1: 5 people working on analyst version
  - Team 2: 3 people working on fitbit version
- We will also begin developing the website using HTML,CSS, Javascript, and D3

Phase #3

- Continue website development
- Perform software testing and quality assurance
  - Analysts
  - General public

Phase #4

- Finalize website development
- Employ final user testing on website
- Gain customer acceptance and deploy website

Thank you

Questions?