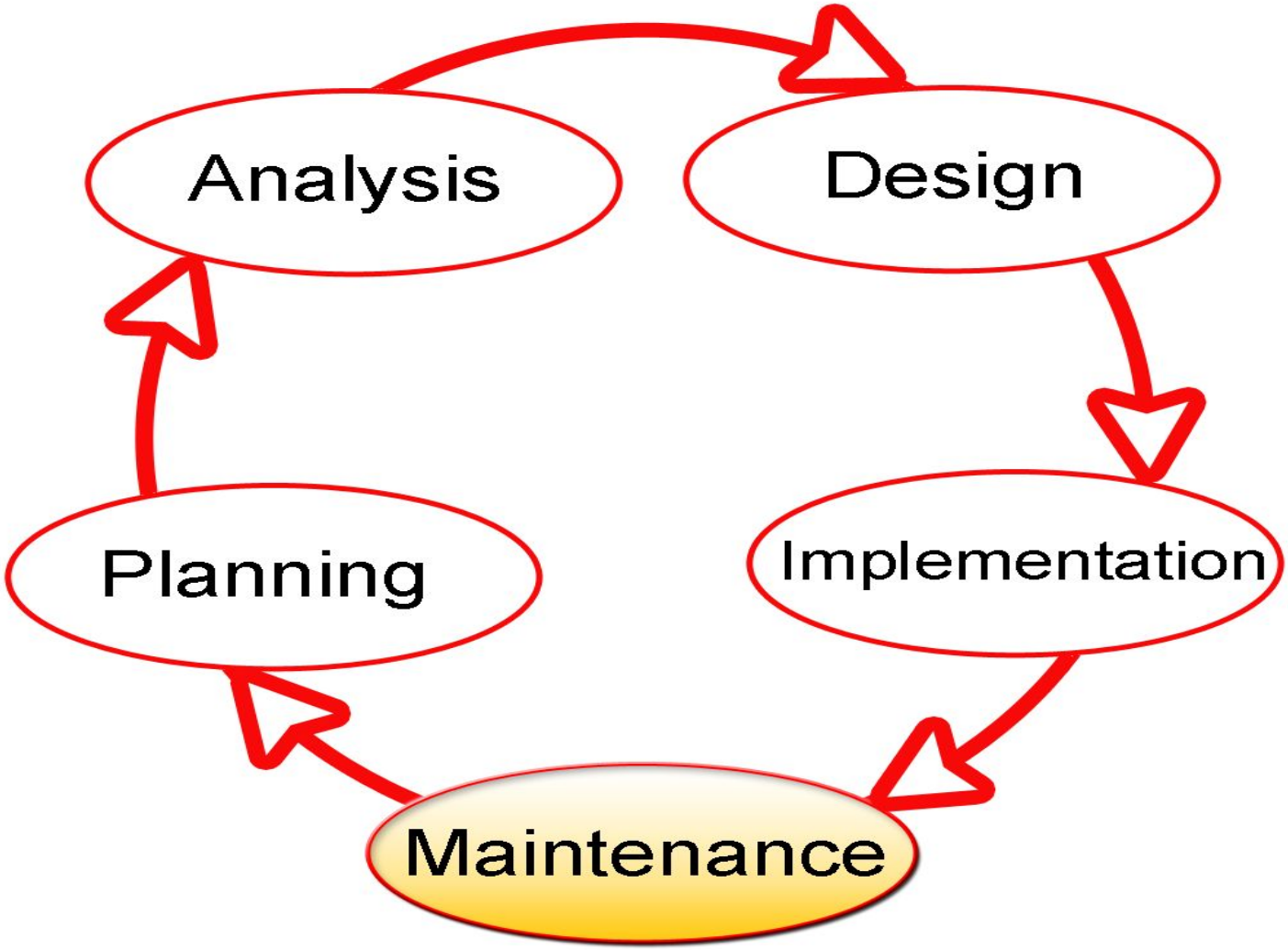
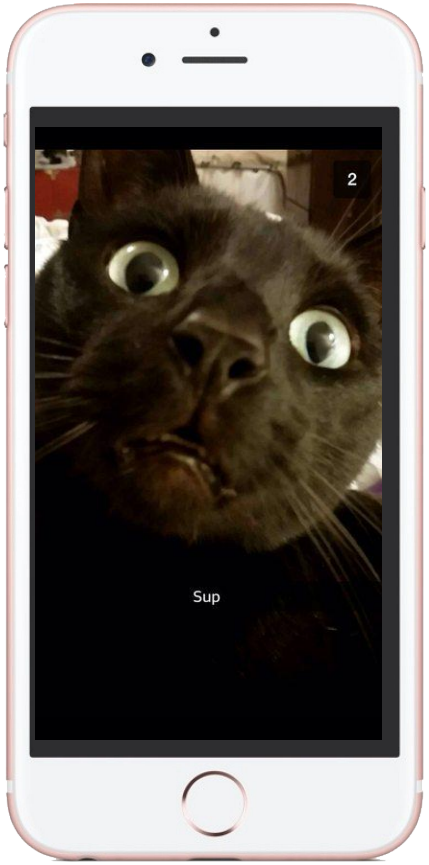
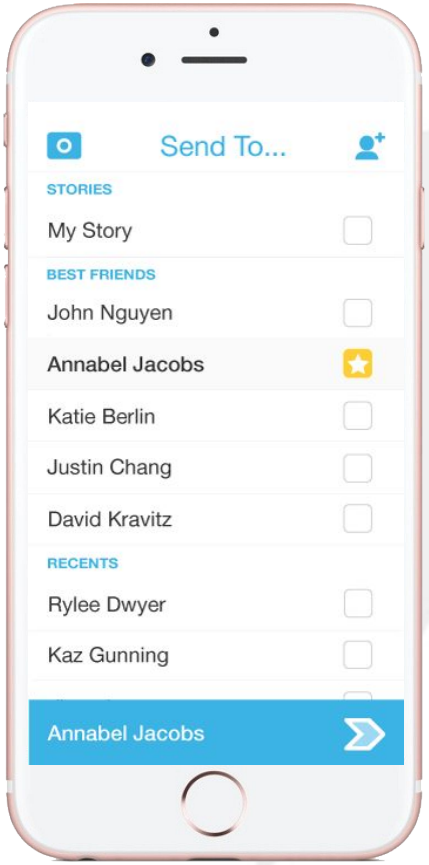
Autosoft
Dealer Management System
™

Software Development Lifecycle



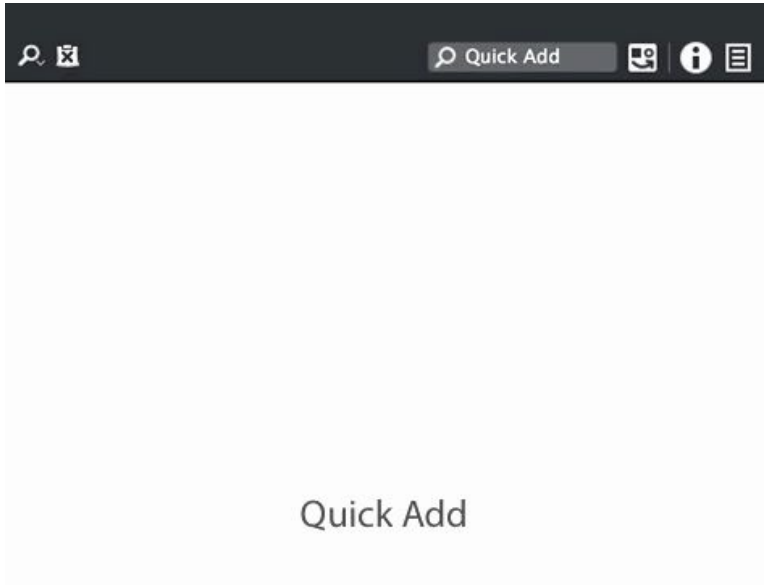
Snapchat Message Flow





Business Analyst

- What are we trying to do / accomplish?
- How can we do it with software?
- What should it look like?



Technical Management

- What does it take to build / make it?
- Who can do it?
- How long will it take?
- How much will it cost?
- Are we on track?
- Is everyone able to do his or her job, everyday?

Development

- Sending a snap
  - Take a picture
  - Store the picture
  - Identify the friend
  - Send the picture

```
var selectedFriends = new Array();
var snap = new SnapChat();
if(Camera.Button.clicked){
  snap.photo = Camera.TakePhoto();
}
if(snap.send && selectedFriends.length > 0){
  TransferPhotoToFriends(selectedFriends, snap);
}

function TransferPhotoToFriends(friends, snap){
  //send snap to friends
}
```

Quality Assurance

- Does it do what it was supposed to do?
  - Did the camera work?
  - Did the snap get to the right friend?
- Was it easy?
- How can we make this better?

Let Your Passion Fuel You

Business Analyst

- Problem Solving
- Creativity
- Communication Skills
  - Bridge Business and Development
  - Asking the right questions

- 2014 Median Salary
  $82,710

Let Your Passion Fuel You

Technical Manager

- People interaction (you're a people person)
- Organization (you like to be on top of things)
- Team Leadership (you don't mind owning the responsibility)
- Motivator
- Enjoy being involved in every step of a project

- 2014 Median Salary
  $110,000

Let Your Passion Fuel You

Software Engineer

- Building things (Legos, Minecraft, code)
- Analyzing how things work
- Mathematics / formulas (A + B = C)
- Problem Solving
- Interest in making things better

- 2014 Median Salary
  $97,990

Let Your Passion Fuel You

Why software is something to consider

- Awesome atmosphere (Work is fun and casual, most of the time)
- Jobs pay nearly twice the national average (You get paid well)
- It's a talent-driven industry (Companies do all they can to recruit you)
- Employs around a million people in the US
- Adds more than $260 Billion dollars to the US economy
- One of the fastest growing industries in the world
- There's a [projected] major shortage in resources (people)

Programming Resources

https://github.com/pgorley/HickoryCareerWeek2016

- Code Girl
- Made With Code
- Code HS
- Khan Academy
- Hour of Code

Autosoft - Dealer Management System

- Corporate Headquarters:
  61 Executive Court
  West Middlesex, PA 16159

- Dayton Branch
  241 Taylor Street
  Dayton, OH 45402

Questions?

Overview - Internal only

- Introductions
- Open with interaction - ask them what the top apps are on their phone
  - Snapchat
    - lifecycle/flow
      - requirements/BA
      - Project Management
      - Development
      - QA
- Talk about our
  - career,
  - education,
  - work experience
  - Passions - path to get there
- End with “About Autosoft”
- Steve/Travis - find salary information
  - http://www.bls.gov/ooh/computer-and-information-technology/mobile/home.htm
- Travis - statistic about IT worker deficit
- https://www.youtube.com/watch?v=ddpyxEpoQOc
- https://www.youtube.com/watch?v=qN_2Ji3OEnY
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