

# L2L Blockchain

## *Lec 4: Guest Lecture Ankit Bhatia*

**Alexander Fred-Ojala**

Research Director, Data Lab  
Instructor  
[afo@berkeley.edu](mailto:afo@berkeley.edu)

**Hamdi Allam**

Blockchain Developer  
Technical TA  
[hallam@berkeley.edu](mailto:hallam@berkeley.edu)

Berkeley Learn2Launch

2019

# OUTLINE



1. **Ankit guest lecture**
  - a. Running a blockchain startup
2. **Updates**
3. **Student presentations: Chosen blockchain project**
4. **Lowtech demo template**
5. **Bitcoin whitepaper quiz**

# Updates

- TODAY: Payment Panel today in Boalt 110
- Github should now be free for everyone
- Lowtech demo due next week March 4th
- **TODAY:**
  - Bitcoin whitepaper quiz (available from 11am - 12.15)**

# HW for Mar 4:

- 7-10min lowtech demo presentation.
- **Finish Truth Machine** (no quiz, but submit one pager with reflections).

[bit.ly/learn2launch-blockchain](https://bit.ly/learn2launch-blockchain)

# Lowtech Demo Template

# L2L Blockchain

Don't use this template, create your own,  
make it beautiful

## Name of Project

Project Overview

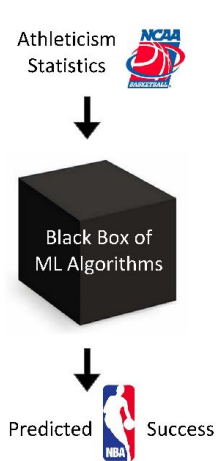
Name of team members

# What is Your Project / Pitch

- ✗ High Level Description
- ✗ Any validation information (did you talk with anyone who wants it)

## Example: Sport Prediction

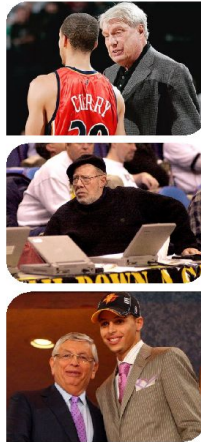
### Basketball Player Growth Prediction - College to NBA



Members: Jessie Ji, Tu Ni, Fu-Chi Shih, Xinle Wang

Our potential Users (coach managers, NBA scouts, .etc) are interested in:

1. key characteristics (e.g. hit rate (%), rebounds/min) of a college players in NCAA that predict the his future performance in NBA.
2. a prediction tool to evaluate players' talent in both the opposing and their own team to deploy strategies.



## Example: Predictive Policing



Two potential purposes:

- 1) Safety app for students to alert them where there is a higher probability of crime
- 2) Analyze crime data and safety strategy data to determine where the police can optimally implement safety measures while minimizing cost

User Validation:

- Would like notifications when walking into a red zone
- Worried about potential misuse/exploitation by other students
- Would like "optimal path" if they put in a destination

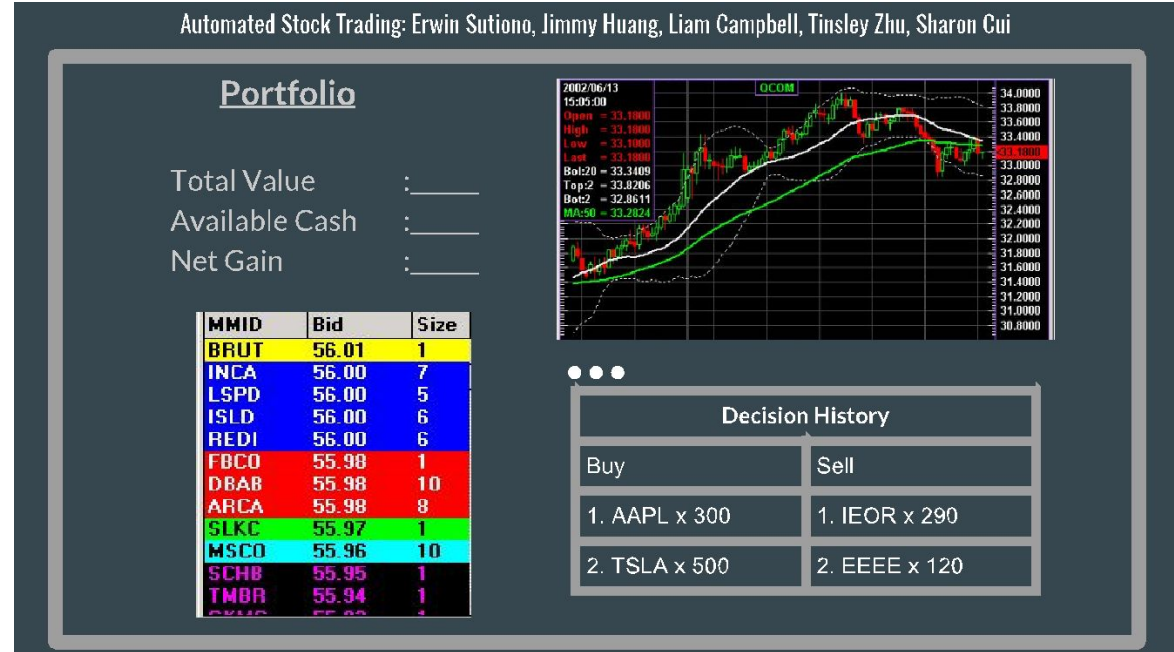
Project: Predictive Policing || Team Members: Smila Jain, Sandra Herchen, Jin Lee, Yijin Hua, Gavin Lee

# Intended User Interface

Example Intended  
Screenshot /  
Mockup

List Top 3 User  
Requirements  
(your best guess)

- Performance..
- Ease of Use..
- ...





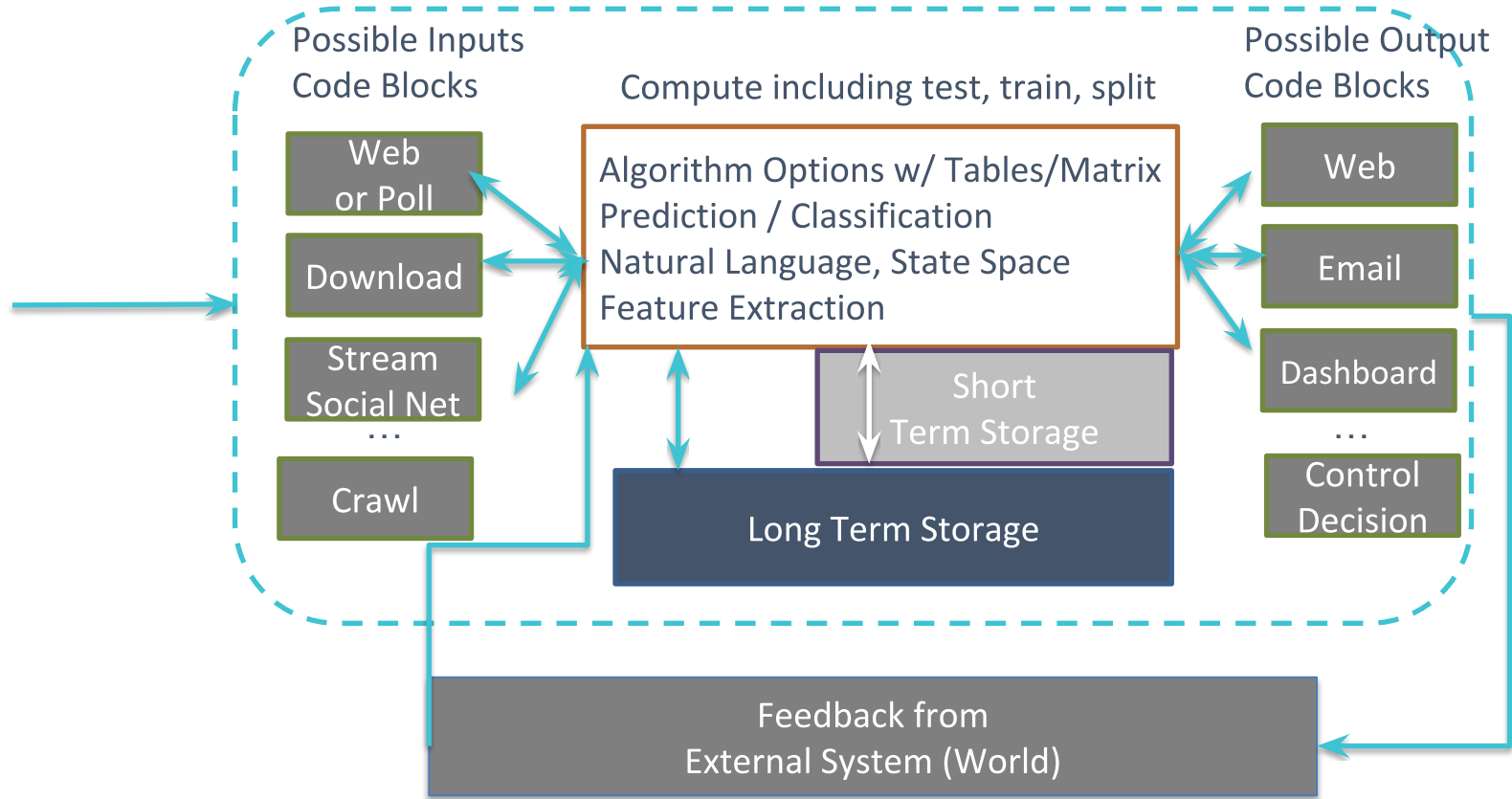
# Technical Components of Project

## Top Components in order of Importance

- UI
  - Ability to send emails
  - Use of Neural Network Algorithms
  - Where will we get the data
  - ..
- 
- Color Code Orange or Red: Lines you need to learn to do
  - Color Code Green: Lines which will be easy to develop

# Sample Architecture (SA)

Replace the diagram below with your SA / DM  
(it is okay to use two slides, one for SA and one for DM)



# Roadmap

- ✗ What is the initial set of tasks (3-5) tasks
- ✗ Put initials or a name next to each

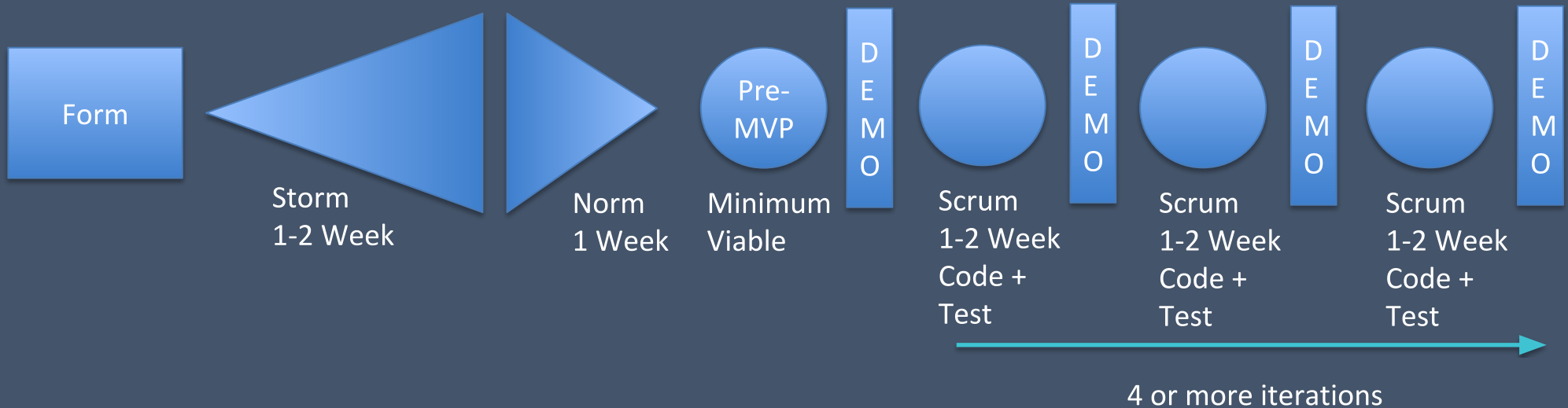


Hint: start with the red items on your list of technical components

Consider Swim Lanes

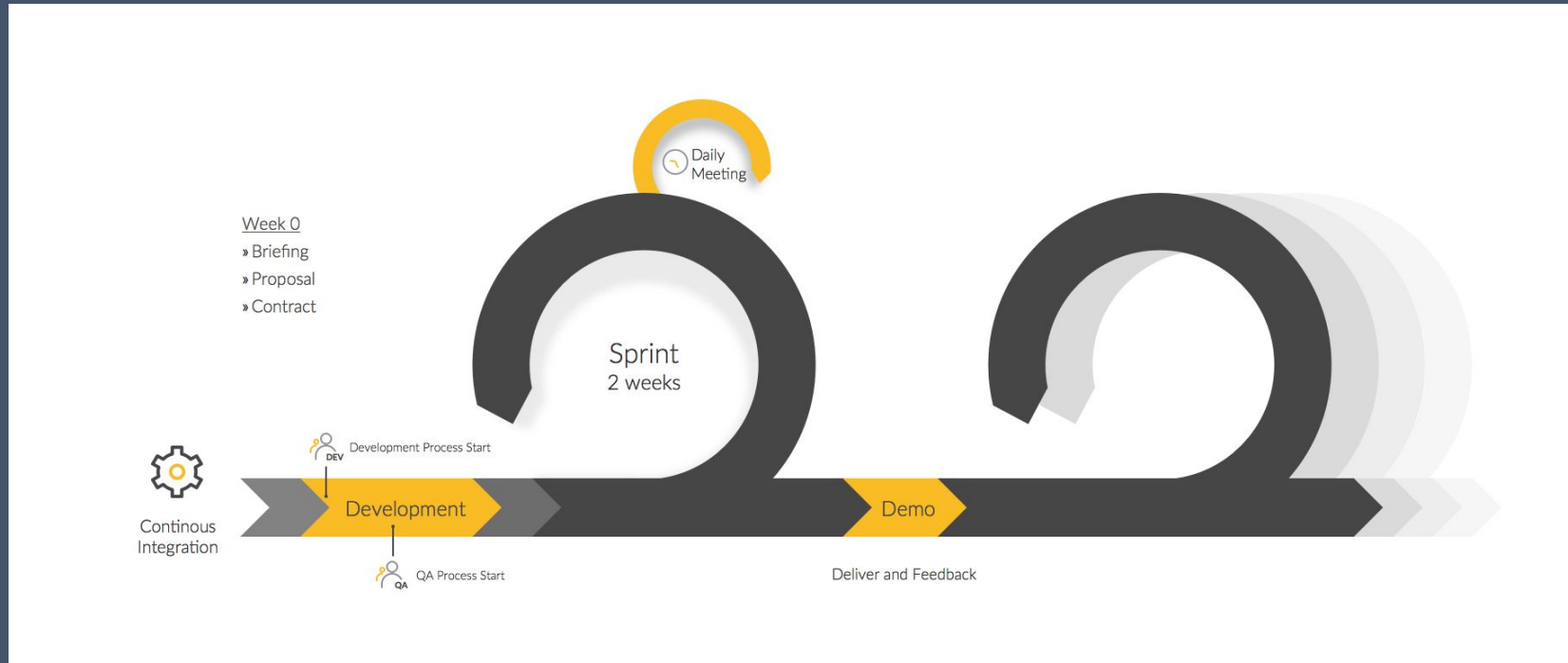
# Agile Project Guidance

# Getting Started – Behaviors and Process



1. Form, Storm, Norm
2. Minimum Viable Solution
3. Key skeleton components
4. Hypothesis → Test → Record
5. Agile Model for Feature Increments (for a changing objective)
6. Agile Analytics

# Agile Analytics – Industry Point of View



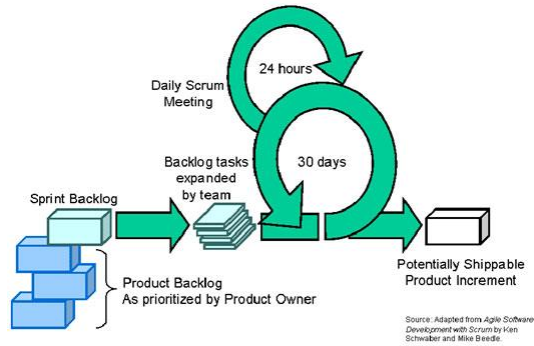
## Things that work well:

- Acceptance criteria
- Pointing
- Two week chunks (sprinting)
- Explicit prioritization

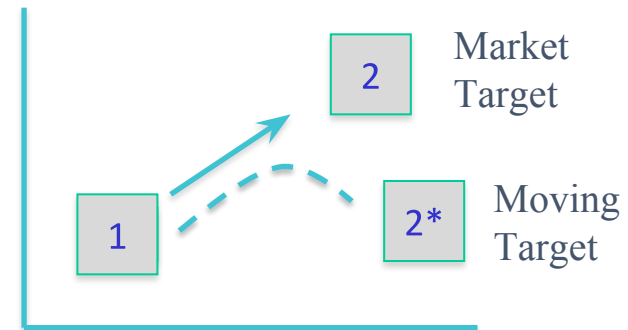
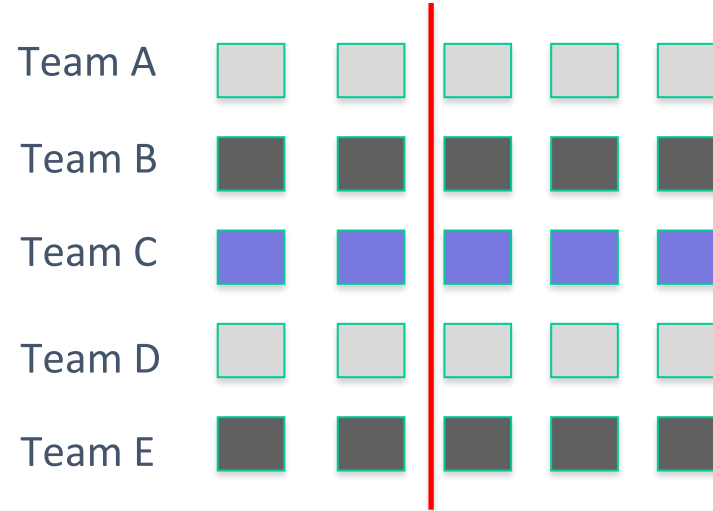
## Things that don't work so well:

- The fortuitous finding
- Exploratory data analysis
- Product ownership / story-writing
- Business-as-usual support

# Purpose of Agile



- \* X day sprints
- \* Design + test together



# Student Presentations



End