Choose your own open-source Adventure
~ SE CS130 UCLA SPRING 2017 ~

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IBM Project Team

- Dedicated Lead Technical Mentor and Lead Project Mentor
  - Technical Mentors
    - The Go-To experts for any technical questions and challenges 😊
  - Project Mentors
    - Project environment, scheduling
    - Facilitation & collaboration
    - Team dynamics

- Weekly conference call interlocks and on site meet ups on demand
Project Learning Skills

- **Software Engineering Skills**
  - Team Project Planning and execution
  - *Collaboration*, Networking
  - Rapid Decision Making
  - Open source community involvement (process, resources)
  - Agile Development
  - Globalization Awareness
  - Design Thinking and User Experience
  - Research and resources evaluation

- **Concepts Emphasized**
  - Open Source Process
  - Global Community Involvement
  - Design Patterns
  - End User Experience
IBM Design Thinking is a framework for **delivering great user experiences** to our clients.
This is a Set of Requirements

- Frame
- Handlebar
- Seat
- Brakes
- Shock
- Wheel
- Fender
- Gears
- Chain
- Pedals
This is a User Experience
IBM BlueMix

- Runtimes: Liberty for Java, Node js, Ruby, "Bring Your Own Buildpack"
- DevOps: Monitoring and Analytics, Git Hosting, Deployment Automation, Web IDE, Agile Development
- Data Management Services: SQL Database, JSON Database, Mongo DB, MySQL, PostgreSQL, BLU Data Warehouse, MapReduce
- Mobile Services: Push, CloudCode, Mobile App Mgmt, Mobile Quality Assurance, Mobile Data, Twilio
- Web & App Application: Data Cache, Session Cache, Elastic MQ, Decision, SSO, Redis, RabbitMQ, Log Analysis

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The Magic of IBM Watson
Memory Lane: Cool CS130 IBM Projects

- Barcode Wallet: https://www.youtube.com/watch?v=BQn1emcd5PA
  - Think Apple Pay

- Volunteer snack delivery service
  - Think Uber model

- Jazz Festival
  - Complete product experience; Use your personal network to make the project meaningful

- Tutoring web site enhancements
  - Project led to real web site use and follow-up work
Choose your own adventure

- Any of your own awesome ideas. We are here to help!
USEFUL REFERENCES
Collaboration and Innovation Favorites

Meetings How To Articles @Harvard Business Review
https://hbr.org/topic/meetings?cm_sp=Article-_ -Modules-_ -Associated%20Topics

Innovation in the making
http://www.youtube.com/watch?v=NugRZGDbPFU&

White Paper: By Applause
http://documents.applause.com/embracing-agile?mktoid=3366813
Embracing Agile: Ten Tips for Understanding Agile Development and Making it Work for You

Bluemix & Watson
http://www.ibm.com/cloud-computing/bluemix/
Design Thinking References

IBM Design Thinking Landing Page
http://www.ibm.com/design/thinking/

Learn about the IBM Design Thinking Transformation!
https://twitter.com/ibmdesign/status/690160242689122304

In Practice talks about Design Thinking + Agile

Good Overview on Design Thinking and Agile
https://www.youtube.com/watch?v=pXtN4y3O35M