



Choose your own open-source Adventure ~ SE CS130 UCLA SPRING 2016 ~

Project Lead: Gergana Markova gmarkova@us.ibm.com

Dean Okamura dean.cs130@gmail.com

Michael Stein mastein@us.ibm.com

Neil Sahota nsahota@us.ibm.com

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



This is a User Experience

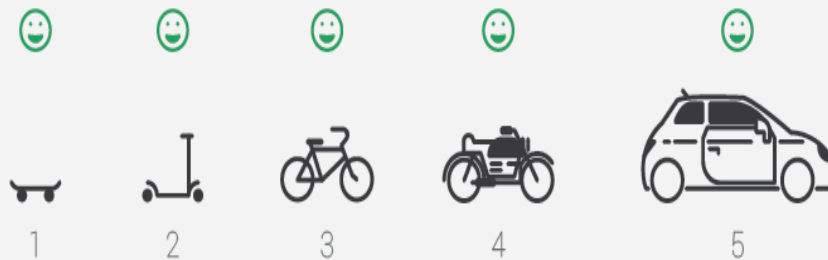


Minimal Viable Product

————— How **not to build** a minimum viable product —————



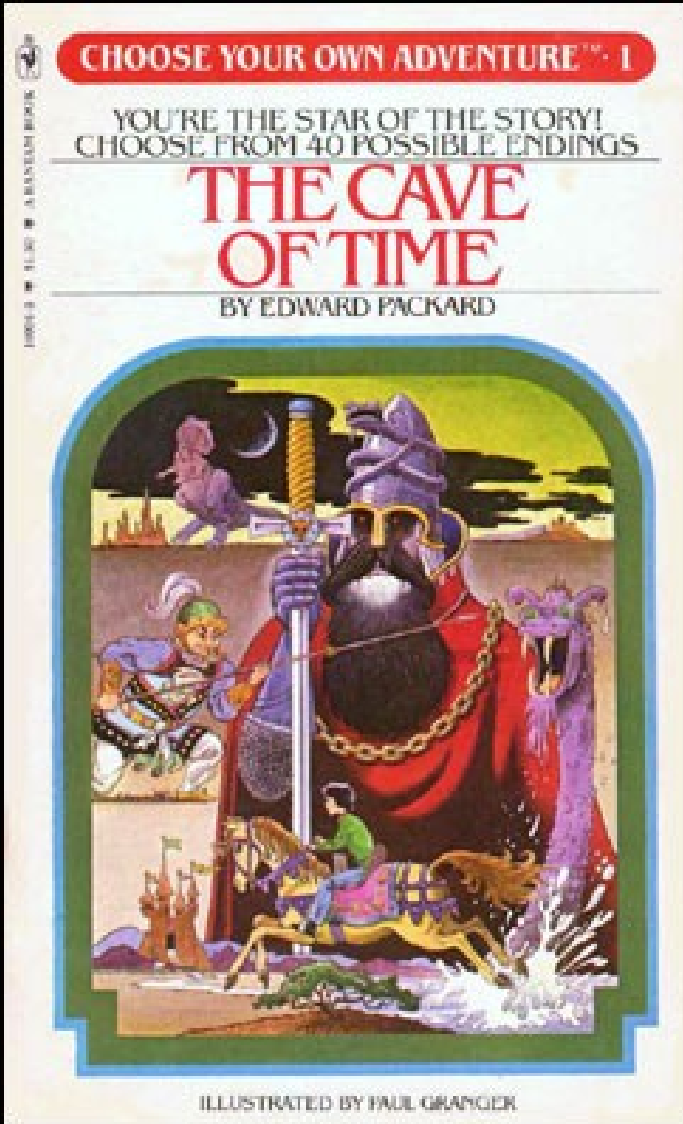
————— How **to build** a minimum viable product —————



<https://medium.com/the-happy-startup-school/beyond-mvp-10-steps-to-make-your-product-minimum-loveable-51800164ae0c#.cnj7r2onw>

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!

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/>

<http://www.ibm.com/cloud-computing/bluemix/watson/>

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
<http://www.ibm.com/design/thinking/in-practice/>

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