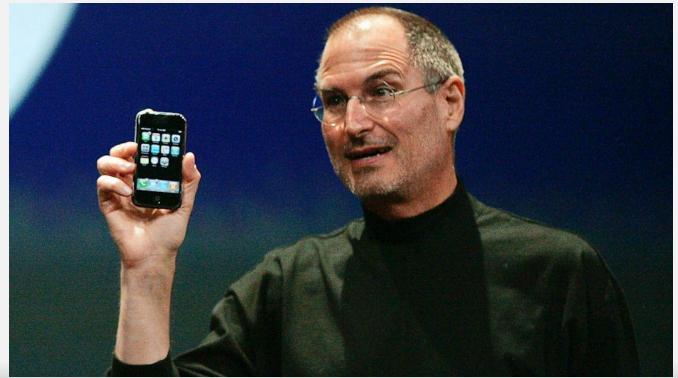
Starting New Ventures 64-361.202

Chap 6 Developing an Effective Business Model.

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Stroome -opening Profile

- Web based service for editing and re-mixing video
 - In a collaboration over the web
- Nonny DeLaPena and Tom Grasty both MS from USC
- Need to find a potential business model
 - Freemium free basic fee for Premium
 - House branding. Offer services to organizations that rebrand it.



The Business Model

- How a company uses its resources, structures its relationships, interfaces with customers, creates value, and returns revenues and profits.
- How does it become self sustaining?



Business Model Comparison

Traditional PC (HP or Lenovo)

- Forecast demand
- Obtain subcomponents from suppliers
- Make basic components
- Assemble Complete PC
- Inventory
- Ship to retailer
- Retail inventory/display
- Consumer

Dell

- Customer Places Order by phone or web
- Suppliers see order and ship components
- Dell assembles computer
- Maintains Customer relationship
- Ship to customer via UPS/FedEx



Three Industries – Three Business Model Innovators

- Warby Parker Eyewear
 - Direct internet sales to customer bypassing eyewear stores or optometrists
- Shopkick Credit for visiting brick and mortar store
 - iPhone app recognizes when user enters a partner retail establishment
 - The shopper is given kickbucks, discounts, ads
 - Shopkick gets commission on sales
- SunRun
 - Installs solar power on customers roofs and shares in savings and sales or via lease payments (when regulations do not allow power purchase agreements)



Why are Business Models Important?

- Does a Business make sense? How does it make money.
 Ongoing feasibility analysis.
- How do the pieces fit together to make a compelling whole?
- Provides the rationale for why the various stakeholders (customers, suppliers, etc) want to (need to) work together.
- Articulates a companies "core logic" to all stakeholders, including the employees and potential investors.



Six distinct ways to make money online

- Affiliate Programs –commissions from merchant to web site
- Pay-per-click –Advertiser places ad on website and pays for each click-thru
- Direct Ads –banner ads, skyscraper ads, pop-up ads, interrupting ads
- E-Commerce –direct online sales from the merchant (ie Amazon or Dell)
- Subscription Services
- Freemium Models- Basic web service is free, but a fee based premium service offers far more functionality.



Value Chain

- A string of activities that add (quantified) value as the product moves to market.
 - Primary Activities
 - Inbound logistics (from supplier to firm)->
 - Operations (creating/manufacturing the product)->
 - Outbound Logistics moving the product to the market->
 - Marketing and Sales->
 - Service
 - Then there are support activities
 - Firm Infrastructure
 - HR
 - Tech. Development
 - Resource procurement/purchasing

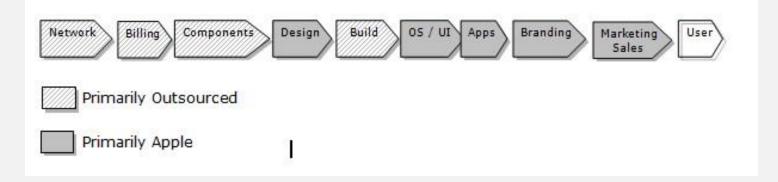


Apple iPhone Value Chain

- Simon Reading, Bernt Wahl, Hannes Hesse, Chris Volz, Johnson Nguyen
 - people.ischool.berkeley.edu/~hal/Courses/.../Tech/.../H-iphone.doc

C. Value Chain

The value chain below illustrates the context in which Apple delivers value to the customer with the iPhone:





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Capturing Value in Global Networks: Apple's iPad and iPhone

- Kenneth L. Kraemer, Greg Linden, and Jason Dedrick1
- University of California, Irvine, University of California, Berkeley and Syracuse University
- http://pcic.merage.uci.edu/papers/2011/Value_iPad_iPhone.pdf

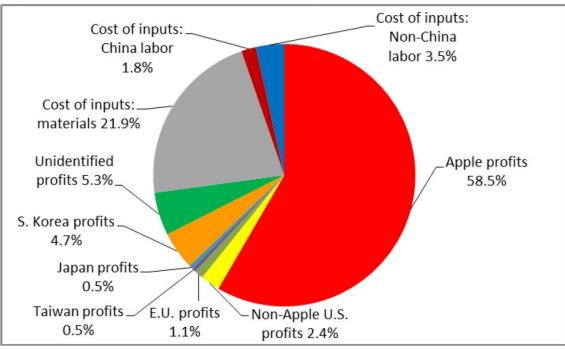
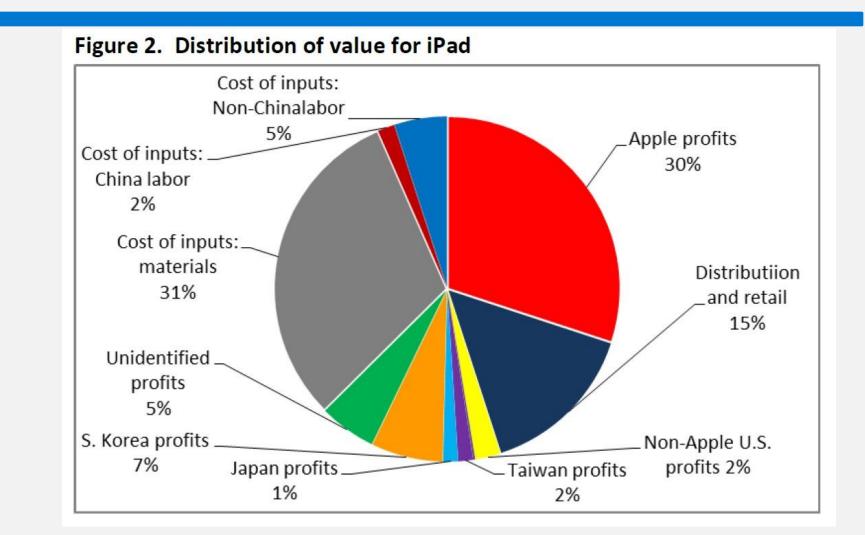


Figure 1. Distribution of value for iPhone, 2010

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Same authors of NSF study -iPad





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Fatal Flaws in Business Models

- A complete misread of the customer
 - Iridium by Motorola: everyone needs a satellite phone useable everywhere.
 - Apple Newton: Customers are ready for a clunky tablet.

- Utterly unsound economics
 - "We lose money on every item, but make it up in volume."



Components of an Effective Business Model

- Core Strategy how a firm competes
- Strategic Resources how it acquires and uses resources
- Partnership Network
- Customer interface
- Case Joost (Hulu predecessor)
 - First mover
 - To big too fast
 - Technical hiccups
 - Clunky download required
 - Poor partnership relationships



Core Strategy

- Mission statement-
- Product/market scope
 - Defines the product and markets which the company will address
 - This can evolve
 - Amazon began as online bookseller now sells everything
 - Google began as search engine, then maps, navigation, books, etc.
 - Market segments
 - Dell- business and government
 - HP -individuals, small business, first time computer buyers
- Differentiation basis
 - Cost leadership strategy
 - Often requires economies of scale that are hard for new companies.
 - Differentiation strategy –unique products or capabilities



Disruptive Innovation –a key strategy

- Clayton Christensen, Harvard
- Companies enter into a low-end or undesirable part of the market, are ignored by the players in the main market and then destroy the major players by growing capabilities into the main market.
 - Disk drives
 - Steel mini-mills
 - Japanese (and now Korean) cars
 - PC's versus the Massachusetts mini-computer industry.



Business Concept blind-spot

- Ex: Xerox
 - "The Document Company"
 - Focus on reproduction (old stuff!)
 - Missed creation/printing of digital documents
 - HP now dominates this market
- Ex: Kodak (or Polaroid)
 - Photography, but mainly a chemistry company!
 - Could not accommodate to digital photography.
- Wang, Digital, Data General –etc
 - Computing is professional and not personal
 - Controlled by operators and not end users.



Product/Market Scope

- Amazon
 - Bookseller -> everything seller
- Market Scope
 - HP- consumer market
 - Dell- Business/government



Differentiation Basis

- Cost Leadership Strategy
 - Walmart, Dollar General
- Differentiation Strategy
 - Quality, timeliness, service, etc
 - Abercrombie and Fitch
- Note that Walmart versus Target uses both!
 - Target tries to position itself as the upscale alternative to Walmart.



Strategic Resources

-Finding a Sustainable Competitive Advantage

- Core Competencies
 - Things the company does better than others-competitive advantage
 - Resource leverage –using core competencies to target new markets
 - This is important in the longer term
- Strategic Assets
 - sustainable competitive advantage –absolute key to success
 - Needs to be unique and not easy to imitate
 - Plant and equipment, location, brands, patents, customer data, highly qualified staff, or distinctive partnerships



Partnership Network

- Partnership network
 - Suppliers-
 - Supply chain
 - Network of all the suppliers from raw materials to finished product.
 - Example: (Apple locked up aluminum CNC supplies)
 - Supply chain management
 - Other Key Relationships
 - Insourcing –a partner moves inside!
 - Outsourcing getting external partners or suppliers to do things that the company does not do well or profitably.
 - Dangers here- partnerships founder at times.



Key types of business partnerships

- Joint Ventures-two orgs join to create a new JV
 - Sony-Ericsson was a joint venture by the Japanese consumer electronics company Sony Corporation and the Swedish telecommunications company Ericsson to make mobile phones. The stated reason for this venture is to combine Sony's consumer electronics expertise with Ericsson's technological leadership in the communications sector. Sony later bought out Ericsson.
- Network- Hub and spoke coordinated group
- Consortia-Peer network of similar groups
- Strategic Alliance no JV but a win-win business relationship
 - Starbucks and Barnes and Noble in the early days
 - Microsoft
 - Sprint and Microsoft provide business and consumer applications delivered via Sprint's wireless services as well as solutions that provide network security and reliability.
- Trade Associations
 - Often important for government relations
 - General public relations
 - Example- API American Petroleum Institute deals with contentious issues in fossil fuels
 - Adressess both public concerns and lobbies governments



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Customer Interface

- Customer Interface
 - How the firm interacts with its customers
 - Target market
 - Fulfillment and Support- how to get to the customer
 - Pricing -one of the famous "4Ps" of marketing
 - Product, Price, Place, Promotion, (more in later chapter)



Apple supply chain

- Apple's wild success with unibody construction for all models of the MacBook appears to be having a negative effect on the competition in more than just reduced sales -- the other vendors can't get their hands on the CNC (computer numerical control) lathes that are required to make ultra thin magnesium-aluminum shells to encase the electronics of Intel's UltraBook design guideline.
- According to Taiwan-based electronics industry site Digitimes, Catcher Technology and Foxconn Technology both have more than 10,000 of the expensive CNC lathes used to make notebook chassis. These two companies are major suppliers to Apple, which means that companies wishing to make metal UltraBooks have to compete for capacity on those lathes. That's a hindrance to high-capacity production, so many manufacturers are choosing a different material.
 - http://www.tuaw.com/2011/08/04/apples-hold-on-metal-chassis-supplychain-hinders-competition/



Privo Business Model Canvas

Early Business Model Canvas

Privo echnologies.

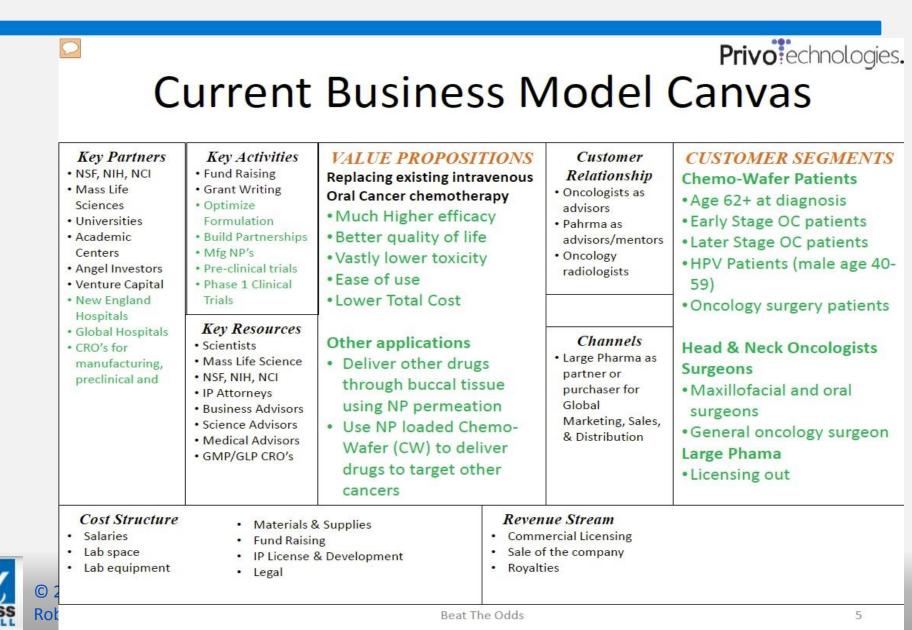
Key Partners • NSF, NIH • Mass Life Sciences • Universities • Academic Centers • Venture Capital • Philanthropy	Key Activities • Diabetes Research • Developing trans-mucosal delivery techniques • Fund Raising • Grant Writing Key Resources • Scientists • Mass Life Science	 VALUE PROPOSITIONS Oral mucosal drug delivery Improve patient quality of life Improve compliance relative injections Minimize side effects Reduce hospital Stay Reduce overall cost of healthcare 	 Endocrinologists as advisors 	 CUSTOMER SEGMENTS Type II diabetic patients Patients who need to inject insulin Mucositis Patients that have gone through radiation therapy Oral cancer Patients with the cancer in their mouth
Cost Structure Salaries Lab space Lab equipment Materials & Supplies Fund Raising IP License & Development Legal		• Comr	nue Stream mercial Licensing of the company Ities	
bb 9/22/2013 Beat The Odds				3

Learn and Pivot

- Interviewed
 - 20 Physicians
 - 40 Scientists
 - 12 Attorneys
 - 6 Multinational Pharmaceutical Co.
- Written many Grants for
 - NCI (National Cancer Institute)
 - NIH (National Institute of Health
 - MLSC (Mass Life Science Center)
 - NSF (National Science Foundation)
 - Next (Rare Disease services)
 - NCL (Nano Characterization)
 - Deshpande MIT
- Governments of 7 other countries



Business Model after pivot



Cases

- You be the VC
 - GroupMe Group Messaging entirely free
 - FastPencil- Self Publish Books
- Case 1 AirBNB Web broker for Bed and Breakfast or private accommodations
 - How to differentiate from Craig's List and Couch Surfing sites!
 - Focused solely on conferences and events
 - Charge a transaction fee and change to handling the money instead of simply being the broker
 - Y-Combinator
- Case 2- ZipCar Team 3

