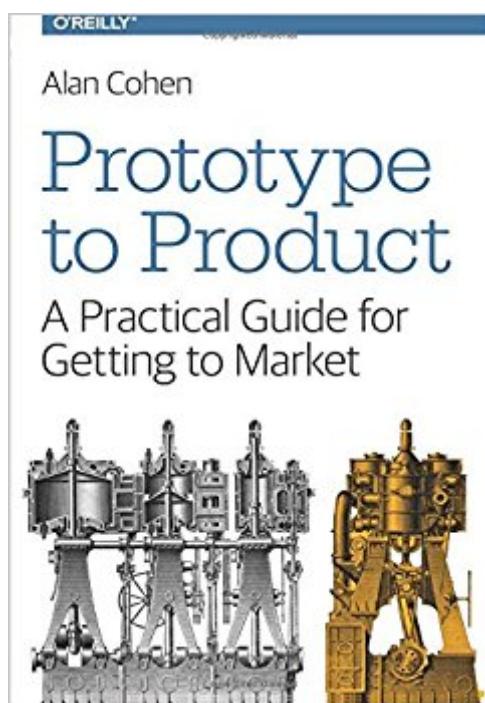The book was found

Prototype To Product: A Practical Guide For Getting To Market

Synopsis

Product development is the magic that turns circuitry, software, and materials into a product, but moving efficiently from concept to manufactured product is a complex process with many potential pitfalls. This practical guide pulls back the curtain to reveal what happensÃ¢â¬â•or should happenÃ¢â¬â•when you take a product from prototype to production.For makers looking to go pro or product development team members keen to understand the process, author Alan Cohen tracks the development of an intelligent electronic device to explain the strategies and tactics necessary to transform an abstract idea into a successful product that people want to use.Learn 11 deadly sins that kill product development projectsGet an overview of how electronic products are manufacturedDetermine whether your idea has a good chance of being profitableNarrow down the productÃ¢â¬â„¢s functionality and associated costsGenerate requirements that describe the final productÃ¢â¬â„¢s detailsSelect your processor, operating system, and power sourcesLearn how to comply with safety regulations and standardsDive into developmentÃ¢â¬â•from rapid prototyping to manufacturingAlan Cohen, a veteran systems and software engineering manager and lifelong technophile, specializes in leading the development of medical devices and other high-reliability products. His passion is to work with engineers and other stakeholders to forge innovative technologies into successful products.

Book Information

Paperback: 438 pages

Publisher: O'Reilly Media; 1 edition (August 11, 2015)

Language: English

ISBN-10: 144936229X

ISBN-13: 978-1449362294

Product Dimensions: 5.8 x 1 x 8.4 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 4.8 out of 5 stars 8 customer reviews

Best Sellers Rank: #325,936 in Books (See Top 100 in Books) #99 inÃ Â Books > Business & Money > Industries > Manufacturing #106 inÃ Â Books > Business & Money > Industries > Industrial Relations #196 inÃ Â Books > Arts & Photography > Decorative Arts & Design > Industrial & Product Design

Customer Reviews

Al is a software and systems engineer/manager and lifelong technophile whoÃ¢â¬â„¢s been

engaged in developing medical devices and other high-reliability products. His passion is in working with fellow engineers and diverse stakeholders to forge innovative technologies into products that fill a need and that people like to use.HeÃ¢ ¬â„¢s the author of a successful textbook on computer communications, numerous articles (most recently on the topics of developing home telemonitoring systems and using Android as an OS for medical devices). Al lives with his wife Marian and son Ben in Newton MA.

Prototype to Product is an enjoyable and informative read. The balance of technology and financial best practice for product development transitions from theory to real world practical advice. It is clear that this guidance provided will reduce program risk resulting in decreased cost and schedule and a better product. Some of the guidance aligns with concepts espoused by lean and agile industry leaders. Specifics are provided on iterative, agile approaches for both hardware and software with guidance and examples sprinkled throughout. For example, Test-driven development is presented as a software best practice which reigns in superfluous code development and ensures the development of automated test which are fundamental factors for program success.Key benefits of this book are the web, book and video reference materials, the surveys of OSs, tools, power sources and other required resources. As a Systems and Software engineer, this book will definitely help me to success with my future product developments!

A MUST read for anyone thinking of developing a product or already in the process of doing so. It covers the process thoroughly and provides those that haven't been through the process with a good understanding as to why it takes so much longer than just building a prototype to get a PRODUCT into the market. This book will save you much time, money and effort before you should even consider building a prototype. Well worth the money spent on this book!

Bought all books available for hardware startups sold in . This is by far the most serious, solidly written, insightful one. Do not waste your money on other volumes on sale as of 20/10/2016.

had to buy this for a class

Very good book with lots of examples and relevant references.

good read covering details and aspects of product launch and support

Prototype to Product is an excellent overview of the key elements of a new product development that includes software, mechanical and electrical design. While it is not an encyclopedic treatise on every element of planning, designing, developing, verifying, validating, marketing, pricing, and maintaining a new product, it does a great job highlighting almost all the areas an inventor might not have thought about until they decide to try and develop a product themselves.The author does a good job of providing examples of potential pitfalls for each part of the process, and some examples of how to avoid those pitfalls. This book is a fairly good roadmap for making a successful product, and anyone planning to develop a product themselves should be able to answer how they plan to accomplish all the steps described. I imagine this would be a helpful introduction for inventors, product, program or team managers branching out from one engineering discipline (EE, ME, SW) into systems development, scrum masters trying to do sprint planning for systems development, and founder/executive types that did not come from the engineering path who need to know enough about systems development and sales in order to fund and plan a successful device development.

Great Read! Provides some rough thought processes for making crucial design decisions in a way that's clear and practical for commercially viable embedded devices. Includes descriptions of pitfalls that a newbie might not anticipate, like unforeseen costs and regulatory issues. All in all, a must-have for a hardware startup founder.

Prototype to Product: A Practical Guide for Getting to Market Agile Product Management: Product Owner: 27 Tips To Manage Your Product And Work With Scrum Teams (scrum, scrum master, agile development, agile software development) Fritzing for Inventors: Take Your Electronics Project from Prototype to Product The Product Manager's Field Guide : Practical Tools, Exercises, and Resources for Improved Product Management Investing for Beginners: An Introduction to the Stock Market, Stock Market Investing for Beginners, An Introduction to the Forex Market, Options Trading The Product Manager's Survival Guide: Everything You Need to Know to Succeed as a Product Manager (Business Books) Product Leadership: How Top Product Managers Launch Awesome Products and Build Successful Teams Drawing for Product Designers (Portfolio Skills: Product Design) Hair Care Product and Ingredients Dictionary (Milady's Hair Care Product Ingredients Dictionary) PRODUCT LISTING FORMULA (FOR YOUR E-COMMERCE BUSINESS): How to Write Amazing Product Listing That Converts Into Paying Customers Ã¢â ¬â œ Watch ... Finish (E-Commerce from AÃ¢â ¬â œZ Series Book 3) Product Manager Interview: A Step by Step

Approach to Ace the Product Manager Interview at The Product Book: How to Become a Great Product Manager Strategize: Product Strategy and Product Roadmap Practices for the Digital Age The Principles of Product Development Flow: Second Generation Lean Product Development Take Charge Product Management: Time-Tested Tips, Tactics, and Tools for the New or Improved Product Manager FBA: Private Label Product Sourcing: Finding Manufacturers and Understanding Product Regulations, Standards, Customs and Import Tax Rates. (Mastermind Roadmap to Selling on with FBA Book 2) Star Wars Miniatures Ultimate Missions: Clone Strike: A Star Wars Miniatures Game Product (Star Wars Miniatures Product) Star Wars Miniatures Ultimate Missions: Rebel Storm: A Star Wars Miniatures Game Product (Star Wars Miniatures Product) The YC-14 STOL Prototype: Its Design, Development, and Flight Test (AIAA Education) Make: Wearable Electronics: Design, prototype, and wear your own interactive garments