



App Inventor 2 Essentials

By Felicia Kamriani, Krishnendu Roy

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App Inventor 2 Essentials By Felicia Kamriani, Krishnendu Roy

A step-by-step introductory guide to mobile app development with App Inventor 2

About This Book

- Get an introduction to the functionalities of App Inventor 2 and use it to unleash your creativity
- Learn to navigate the App Inventor platform, develop basic coding skills and become familiar with a blocks based programming language
- Build your very first mobile app and feel proud of your accomplishment
- Follow tutorials to expand your app development skills

Who This Book Is For

App Inventor 2 Essentials is for anyone who wants to learn to make mobile apps for Android devices – no prior coding experience is necessary.

What You Will Learn

- Perform technical setup and navigate the App Inventor platform
- Utilize the interactive development environment by pairing a mobile device with a computer using Wi-Fi or USB
- Build three apps: a game, an event app and a raffle app
- Create the user interface of the app in the Designer and program the code in the Blocks Editor
- Integrate basic computer science principles along with more complex elements such as fusion tables and lists
- Test and troubleshoot your applications
- Publish your apps on Google Play Store to reach a wide audience
- Unleash your creativity for further app development

In Detail

App Inventor 2 will take you on a journey of mobile app development. We begin

by introducing you to the functionalities of App Inventor and giving you an idea about the types of apps you can develop using it. We walk you through the technical set up so you can take advantage of the interactive development environment (live testing). You will get hands-on, practical experience building three different apps using tutorials. Along the way, you will learn computer science principles as well as tips to help you prepare for the creative process of building an app from scratch. By the end of the journey, you will learn how to package an app and deploy it to app markets. App Inventor 2 Essentials prepares you to amass a resource of skills, knowledge and experience to become a mobile app developer

Style and approach

Every topic in this book is explained in step-by-step and easy-to-follow fashion, accompanied with screenshots of the interface that will make it easier for you to understand the processes.

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Editorial Review

About the Author

Felicia Kamriani

Felicia Kamriani is passionate about global education, empowering people with technology and closing the gender gap in STEM education. As Education and Business Development Manager, she evangelized the MIT App Inventor Project in the U.S. and abroad at the Google Rise Summit, the UNESCO YouthMobile conference, Guangzhou Educational Information Center, Hong Kong Polytech University, Guilin University, Samsung App Academy, MERLOT and MOSTEC. She also lead a team of Master Trainers for the Verizon Innovative App Challenge and spearheaded the inaugural MIT App Inventor Master Trainers Program for Mobile Computing Education. Other global endeavors include MOOC research and course development at HarvardX and with The Felittle Group, LLC, as Creative Director (www.felittlepeople.com). She is an avid TEDx organizer and proud alum of Harvard University, Stanford University and the University of California, Berkeley.

Krishnendu Roy

Krishnendu Roy is an associate professor of computer science at Valdosta State University. Prior to joining VSU, Krishnendu completed his PhD. and M.S. in computer engineering at Louisiana State University, Baton Rouge, LA in 2009 and 2005, respectively. As an MIT App Inventor Master Trainer, Krishnendu taught computing using App Inventor in summer camps for middle and high school students and in CS0 courses at his university. He has conducted in-person App Inventor workshops for teachers, including Google CS4HS and the University of Massachusetts at Boston's BATEC Summer Institute. He has also organized online App Inventor workshops for teachers who were involved in AAUW's Tech Trek camps and mentored national winning teams of Verizon's Innovative App Challenge.

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