

earning him up to \$100 for each repair. friends would hire James to fix up their kicks,

how to code too. Hidden Genius Project to see if he'd like to learn school and suggested that he check out the function. He knew James had dropped out of instructions that allow computer software to mentioned that his son was into coding—writing to make money. But then James's barber continued restoring shoes for his friends After dropping out of high school, James

SNEAKERS PLUS STEM

coding. Three months later, he had gained about STEM and business at Hidden Genius. different high school while continuing to learn confidence in himself and decided to enroll at a Hidden Genius. He started learning about In June 2016, James was accepted into

in applying technology in business ventures than James soon realized he was more interested

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sneakerheads work with verified sneaker artists experiences gave him an idea: An app to help online payment he received was fake. These bad

TECH TEAMMATES

when she was taking computer science classes. big! This is a winning idea!" says Kevin. Kevin learned coding from books his mom used computers and putting them back together. an interest in computing by taking apart old Butler. He's a self-taught coder who gained "When James came to me, I said: "This could be fellow Hidden Genius member, 18-year-old Kevin To create the software, James turned to a

verified vendors. After the job was complete, schedule sneaker repairs or customizations with People could set up profiles to discuss and similar to Facebook—but for sneakerheads decided to create a social-media platform, tlinking about its interface—what the app (see How to Develop an App, p. 9). They would look like to someone using the program The duo began designing their app by

> could see how past transactions went. review each other, so people using FixMyKix both customers and vendors could then rate and Next, James and Kevin set out to write the

the structure of the house standing." Kevin. "The back-end is like the bricks that keep a house looks like from the outside," explains back-end code, which controls the data the app needs to function. "The front-end is like what these features work, they'd also need to write interacts with and navigates the app. To make determines the user experience—how a person program actually looked like. Front-end code front-end code that would create what the

HIGH-TOP TRENDS

available in the Apple App Store in 2019. app for the past year. Their goal is to make it James and Kevin have been working on their

Today, the App Store contains more than

a whopping \$3,000. more. One of the most coveted old-school sneakers in pristine condition can sell for much 2017, sneaker sales reached nearly \$16 billion, others. But sneakers are a booming business. In released in 1985. Last September, a pair sold for sneakers is the original Air Jordan 1. It was than \$200 in stores. Highly sought-after vintage with some limited-edition pairs fetching more

steps of the app develop-ment process

How is James following the

FixMyKix? Cite evidence

from the story

prevent some of them from going into a landfill into the trash. Each year, millions of sneakers are by charging vendors to be listed on the app, and put them back onto people's feet." 🛞 thrown away, says James. "I hope the app will old but still stylish sneakers from being tossed collecting a fee for each transaction, and selling than a decade. His app will generate money this market, which has steadily grown for more ads. He also hopes that the app will help keep James hopes that FixMyKix can tap into

–Andrew Klein

SNEAKER SOLUTIONS A professional sneaker-restoration artist and owner of Raleigh Restorations in North 2.2 million apps. Some are more successful than



(UV) light, reverses the discoloration. Exposure to sunlight and moisture causes polyurethane—a type of plastic—to yellow. Restorers can apply a chemical solution called "ice Cream" that, when exposed to ultraviolet YELLOW SOLES (YELL) 1



special brushes to clean and replenish the material's texture. Then they dye It. Suede is porous, so it readily soaks up dye FADED SUEDE and UV light car



Over time, paint on the midsole of a shoe flakes and cracks To remove the old paint before repainting, restorers apply a product called "Midsole Magic." The solvent dissolves paint without corroding the foam material underneath PAINT PROBLEMS



Moisture collects on the inside of clear air-filled, plastic parts of a shoe, making them appear foggy, Restorers use a hairdryer to heat the water, causing it to evaporate. This clears the fog from the plastic. DEFOGGING PLASTIC

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