

Name:

Date:

Cece and the MarketBot Mix-Up

Hi. I'm Cece.

I may be a chatbot, but I'm also a pretty good entrepreneur.

Today in class, Dr. Byte said,

"We're learning how **Artificial Intelligence** and **automation** help businesses work better!"

Boom. That's when my logic circuits started buzzing.

Businesses? Like real stores? I've always wanted one of those. After lunch, Jules, Alex, and I got to work.

"We should open our own shop," said Jules.

"What should we sell?" asked Alex.

"Smoothies!" Jules shouted. "Everyone loves smoothies!"

We named our store Cece Sips and we even gave everyone jobs. Jules was the flavor creator. Alex was the shop manager. And I built MarketBot—our AI assistant who could take orders and mix smoothies automatically. "That's **automation**," I explained. "When machines do jobs without needing a person to tell them what to do." MarketBot welcomed customers and kept track of our sales.

We gave it a rule: "If lots of customers come, make more smoothies."

Everything was set, and ready to go, and it was finally the time to open our shop.

Our grand opening was the best ! We even made our first **profit**—that's the money you get after you pay for supplies like fruit and cups.

But then...



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"Cece?" Jules said the next day.

"Why is MarketBot blending smoothies when no one's here?"

Banana-Blast. Mango-Magic. Strawberry-Zap.

Smoothies were everywhere.

Alex checked the coin counter. "Uh-oh. We spent everything on fruit, but no one bought anything."

"We forgot to teach MarketBot good logic," I said.

We told it: "If lots of customers come, then make smoothies." But it thought, "If anyone walks by, that counts." Oops. That's a logic fail, so we sat down to fix it. Together, we wrote better rules:

- If a customer orders, then make 1 smoothie.
- If 3 people order the same flavor → make a batch.
- If no one orders → do nothing!

By Saturday, Cece Sips was the busiest stand on the block. MarketBot only blended what we needed. Our automation worked just right. And our coin jar? Filled with shiny, sweet profit. Even Ms. Davis came by and said, "You've got smart tech, tasty smoothies, and teamwork. That's real business smarts!"

We all smiled. Even MarketBot danced a little blender-spin. And that's how we fixed our logic, learned about AI, **supply and demand**, and profit, and built a shop where automation worked for everyone.

Well, except for the one time it tried to sell "Broccoli Blast."

But that's a story for another day.

Glossary

- 1. Artificial Intelligence (AI)**—Smart computer programs that can think, learn, and solve problems—like a robot that makes decisions!
- 2.Automation**—When a machine or computer does a job on its own without someone having to tell it what to do.
- 3.Logic**—A set of clear rules that tell a machine or robot what to do in different situations.
- 4.Profit**—The money you keep after you pay for everything your business needs (like supplies).
- 5.Supply and Demand**—When lots of people want something (demand) and there's not much of it (supply), the price can go up!
- 6.Rule**—Instructions that tell your robot or program what action to take when something happens.
- 7.Business**—A place where people sell goods or services to earn money.