
THE MALTAVERIANS
AN AMAZING TOUCH OF MINDS
Issue 2

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arthouse
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maltaverians.mt

The project of publishing a series of comics focused on digital innovation technology aims to emphasize the importance of expanding teens' knowledge in this rapidly evolving field. These comics will be distributed among students studying Computing and IT to enhance their understanding of the latest technologies and potentially guide them towards their future careers. It will be available in a digital format online as well. By incorporating engaging visuals and storylines, the comics will pique the interest of young readers and promote a deeper comprehension of innovative technologies that are shaping our world. In addition, the inclusion of a glossary within the publications will further clarify technological terms and concepts, making the material more accessible and informative.

THE MALTAVERIANS

Real Name:
Elisa Bonello

Character traits:
Positive, empathetic, energetic

Personality traits:
Outgoing, affable

Other dimension nickname:
Bella Bit

Nickname meaning:
Beautiful + smallest size of data

Nationality:
Maltese

Age:
23

Occupation:
Secondary school teacher of Computer Studies

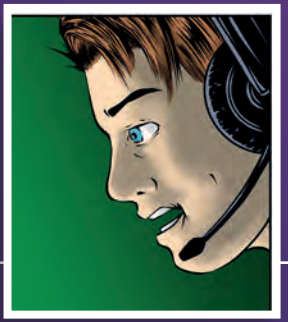
Main allies:
Jake Spark (a friend), police, responsible citizens

Main foes:
cyber criminals (especially bullies and thieves)

Special abilities:
Digital vision: sees the inner workings of digital technologies like no other human

Special powers:
Master traveller in virtual reality, sharp like Sherlock Holmes, virtual martial arts skills, hardcore gamer

Other powers:
Can make learning fun for kids



Real Name:
Jake Spiteri

Character traits:
Intelligent, passionate, loyal

Personality traits:
Shy, reserved

Other dimension nickname:
Jake Spark

Nickname meaning:
Jake + bright mind + small but fiery

Nationality:
Maltese

Age:
22½

Occupation:
IT manager at a local hotel

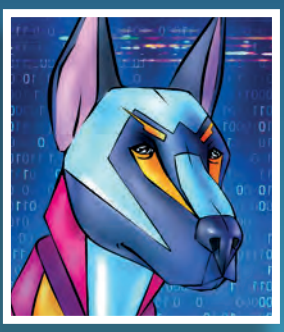
Main allies:
Bella Bit, the police, responsible citizens, trusted computing devices

Main foes:
Phishers, hackers, spammers etc.

Special abilities:
Tech whisperer – somehow inanimate technologies seem to understand what he needs and wants

Special powers:
None (at the moment)

Other powers:
Effortlessly produces software like a piece of cake



Real Name:
Klein Artificial Intelligence (KAI)

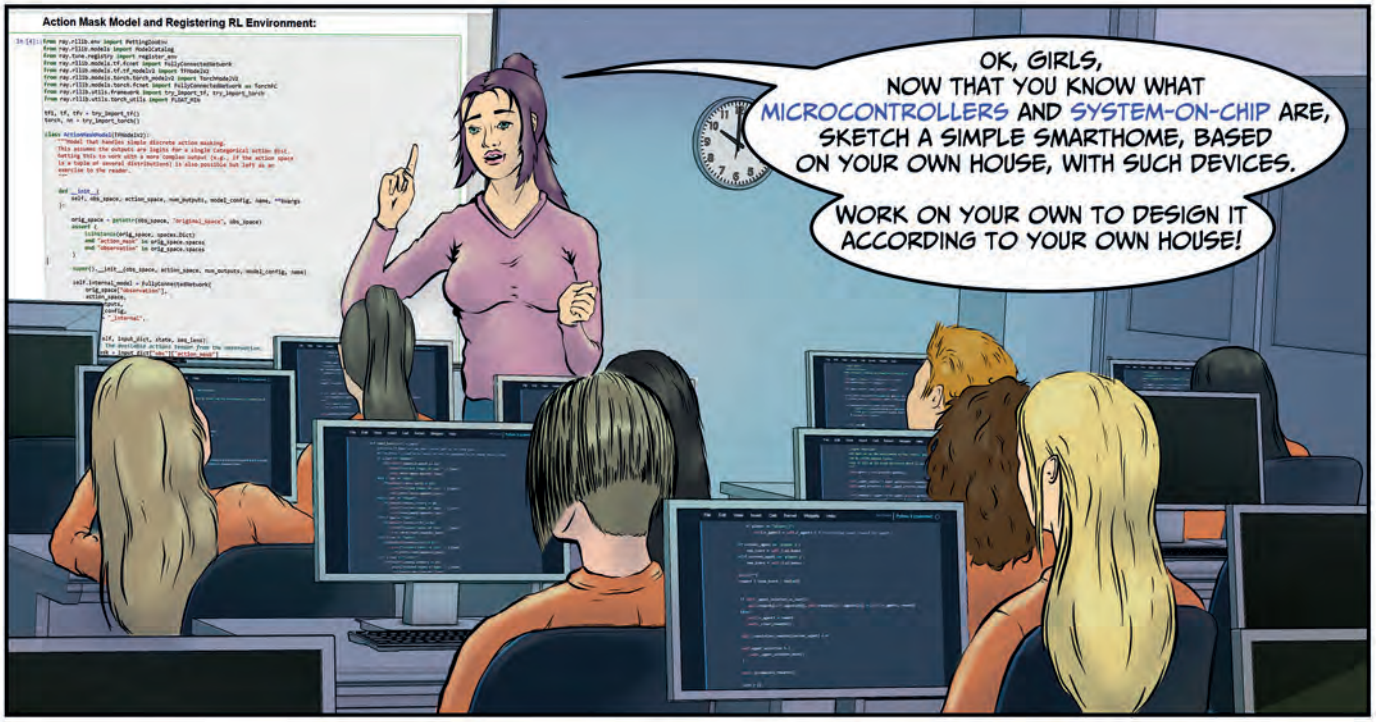
Type of AI:
Large Language Model (LLM)

Launch date:
1st June 2023

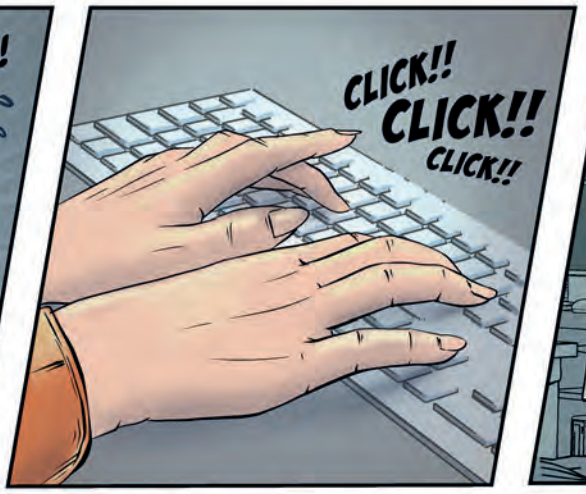
Owner/developer:
Klein Hotel – Jake Spiteri

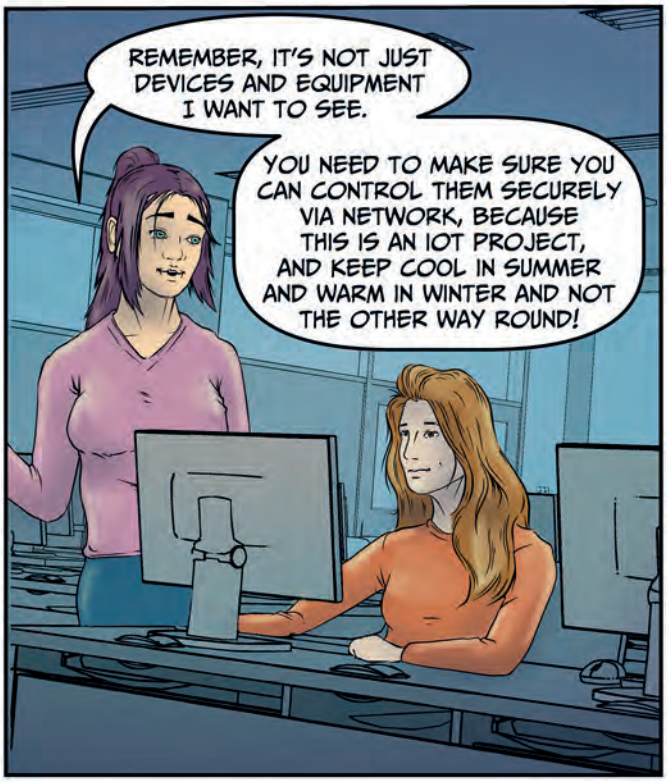
Hosting:
Malta

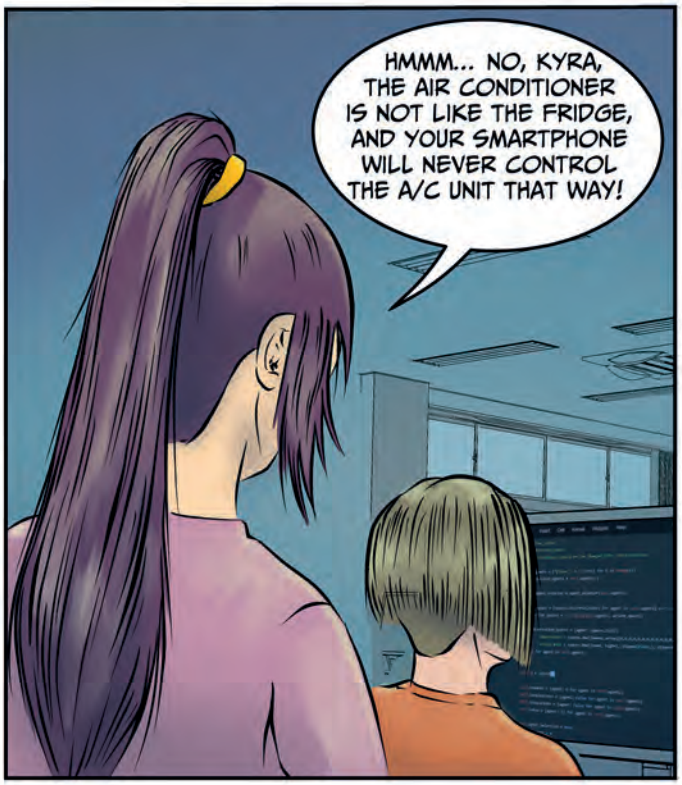
Access:
Limited to Bella Bit, Jake Spark and Klein Hotel. Likes to take the form of a dog.


Action Mask Model and Registering RL Environment:
OK, GIRLS, NOW THAT YOU KNOW WHAT MICROCONTROLLERS AND SYSTEM-ON-CHIP ARE, SKETCH A SIMPLE SMARTHOME, BASED ON YOUR OWN HOUSE, WITH SUCH DEVICES.
WORK ON YOUR OWN TO DESIGN IT ACCORDING TO YOUR OWN HOUSE!

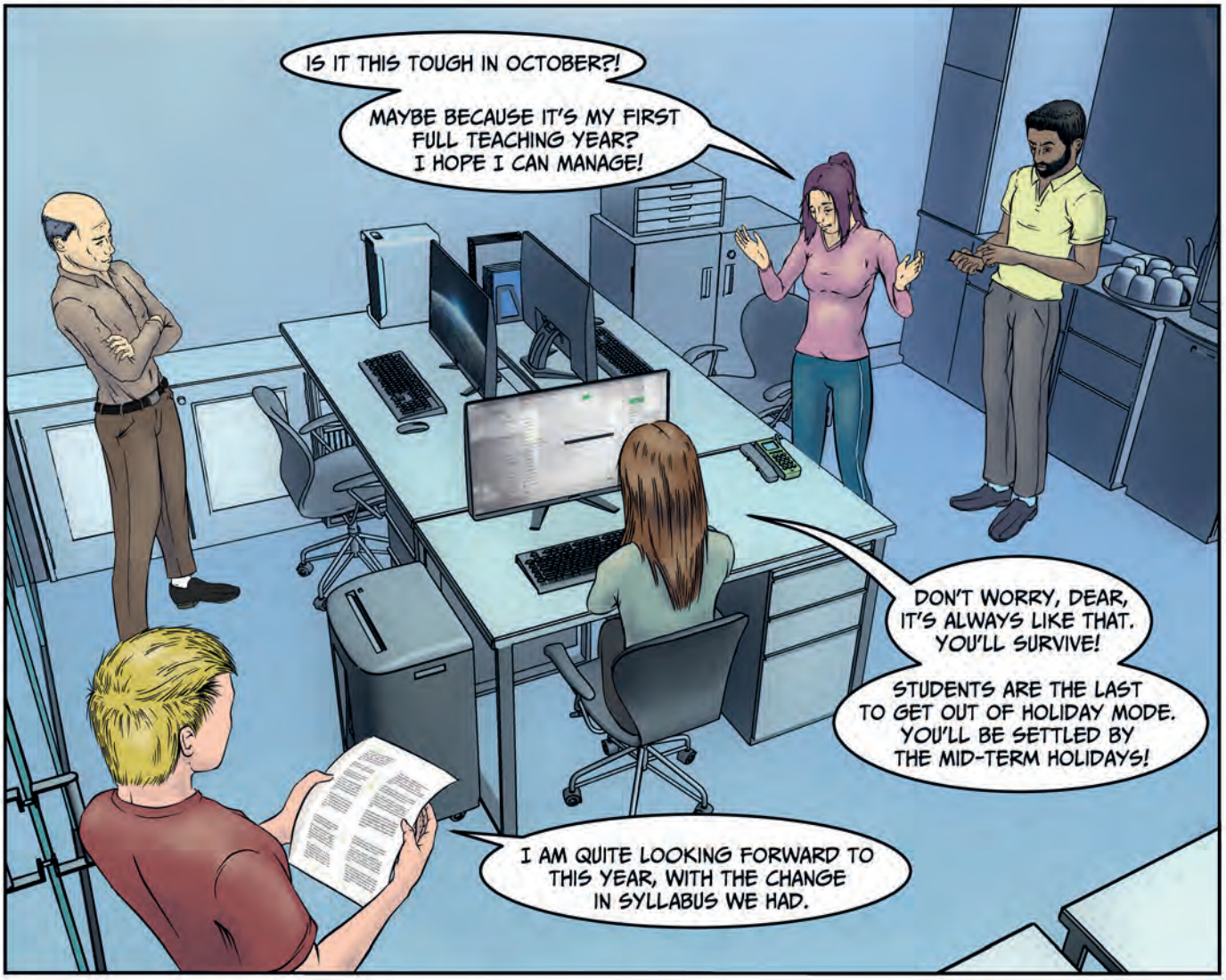

HMMM!!!

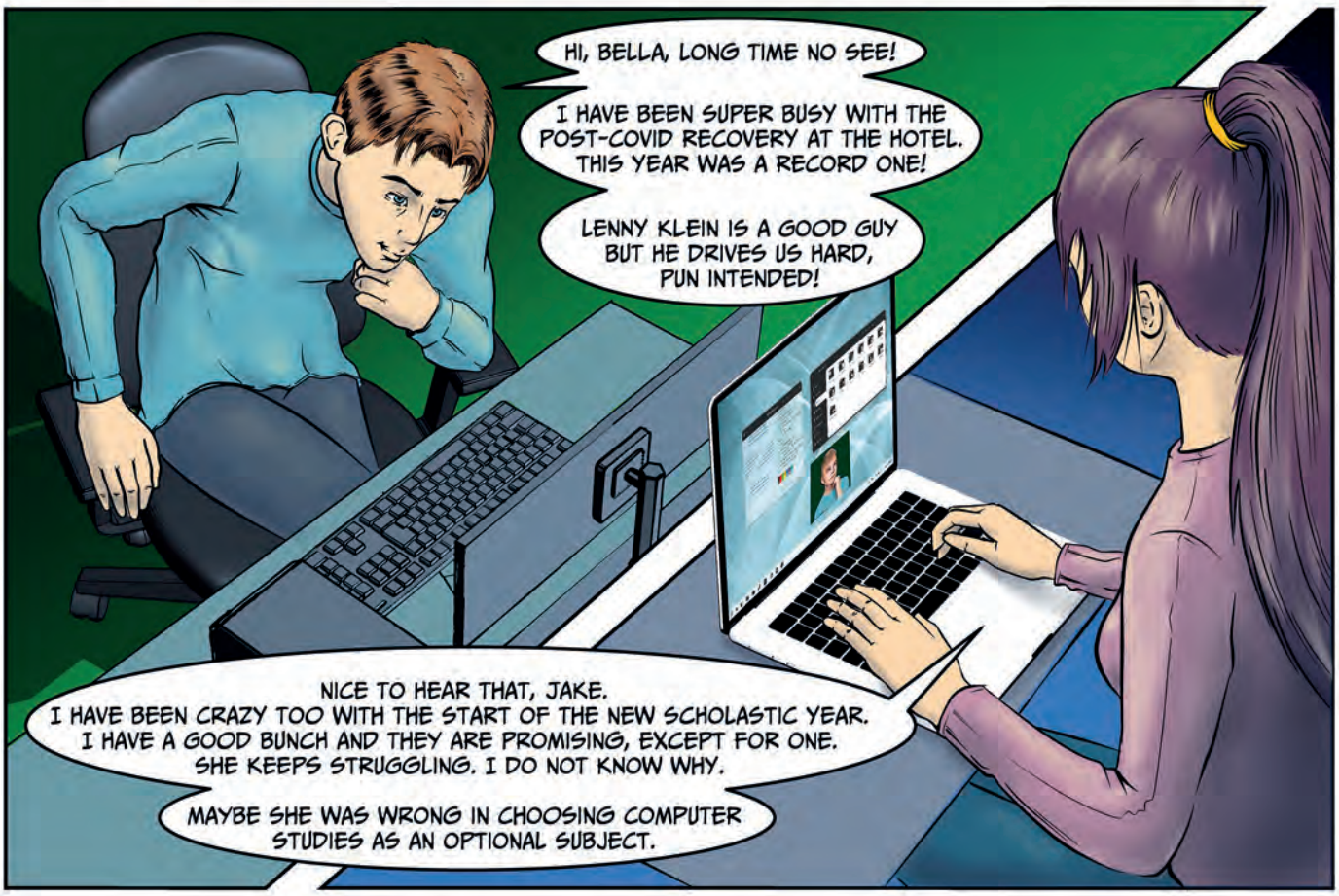

CLICK!!
CLICK!!
CLICK!!

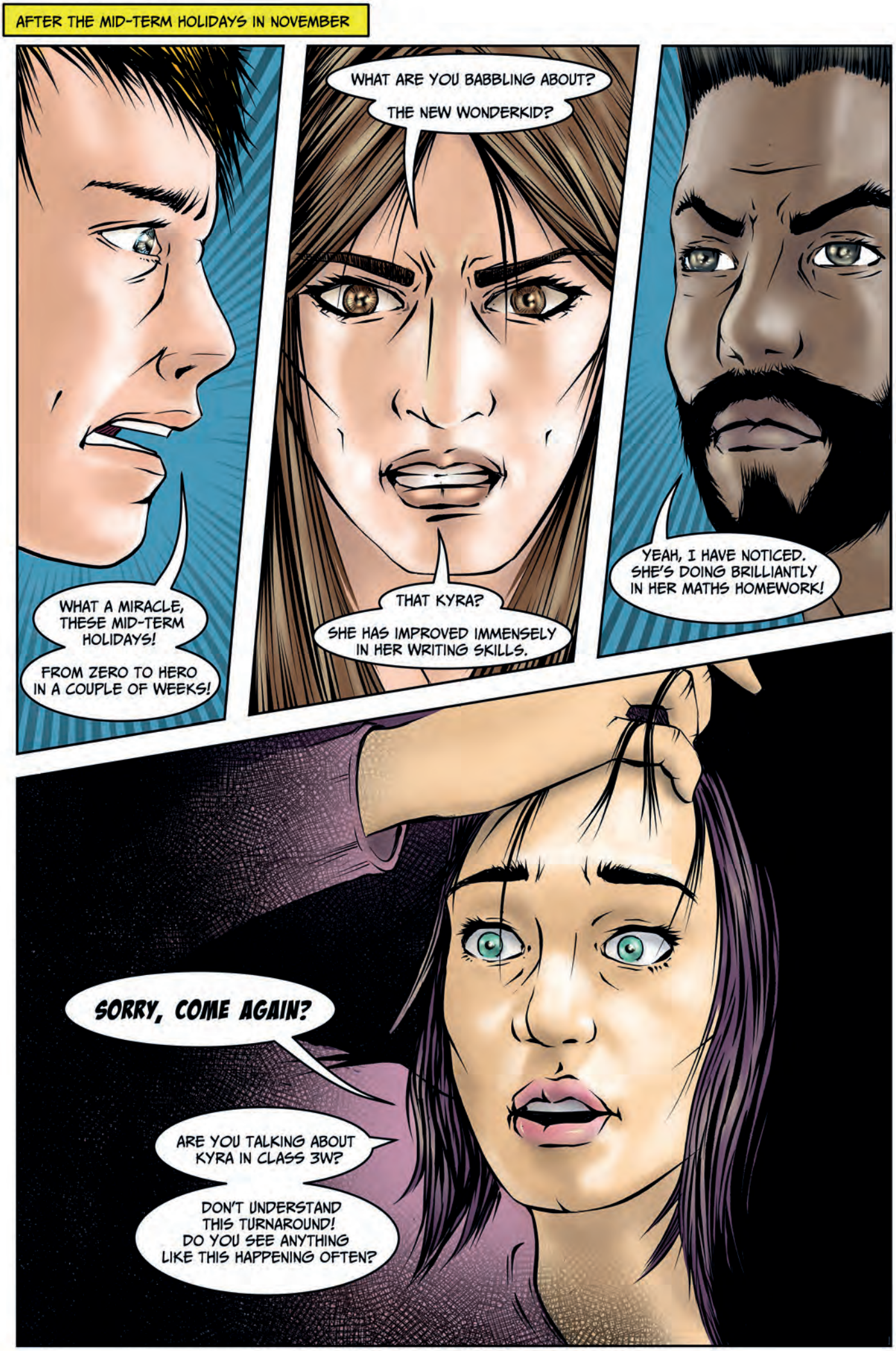

REMEMBER, IT'S NOT JUST DEVICES AND EQUIPMENT I WANT TO SEE.
YOU NEED TO MAKE SURE YOU CAN CONTROL THEM SECURELY VIA NETWORK, BECAUSE THIS IS AN IOT PROJECT, AND KEEP COOL IN SUMMER AND WARM IN WINTER AND NOT THE OTHER WAY ROUND!

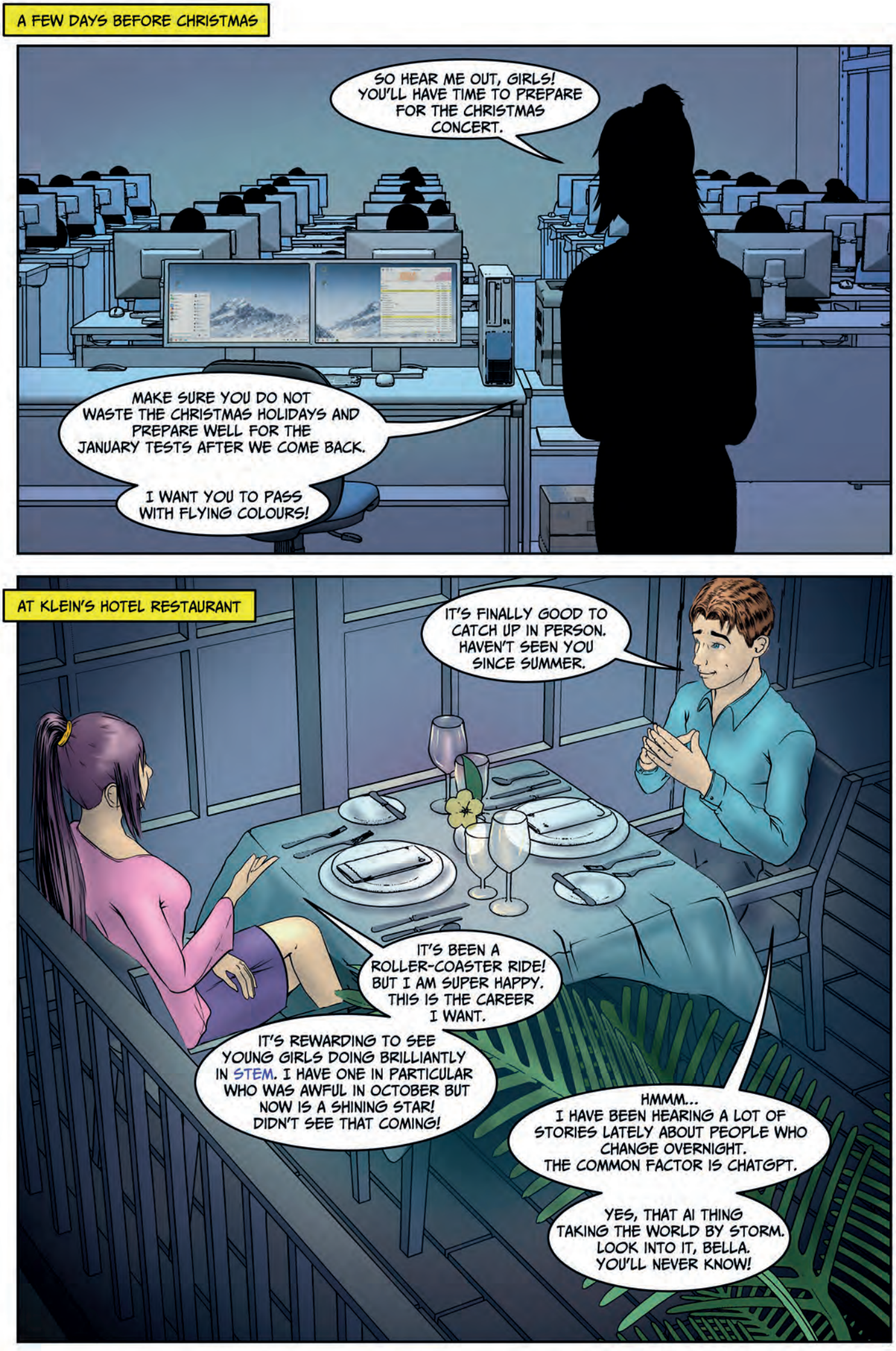

HMMM... NO, KYRA, THE AIR CONDITIONER IS NOT LIKE THE FRIDGE, AND YOUR SMARTPHONE WILL NEVER CONTROL THE A/C UNIT THAT WAY!

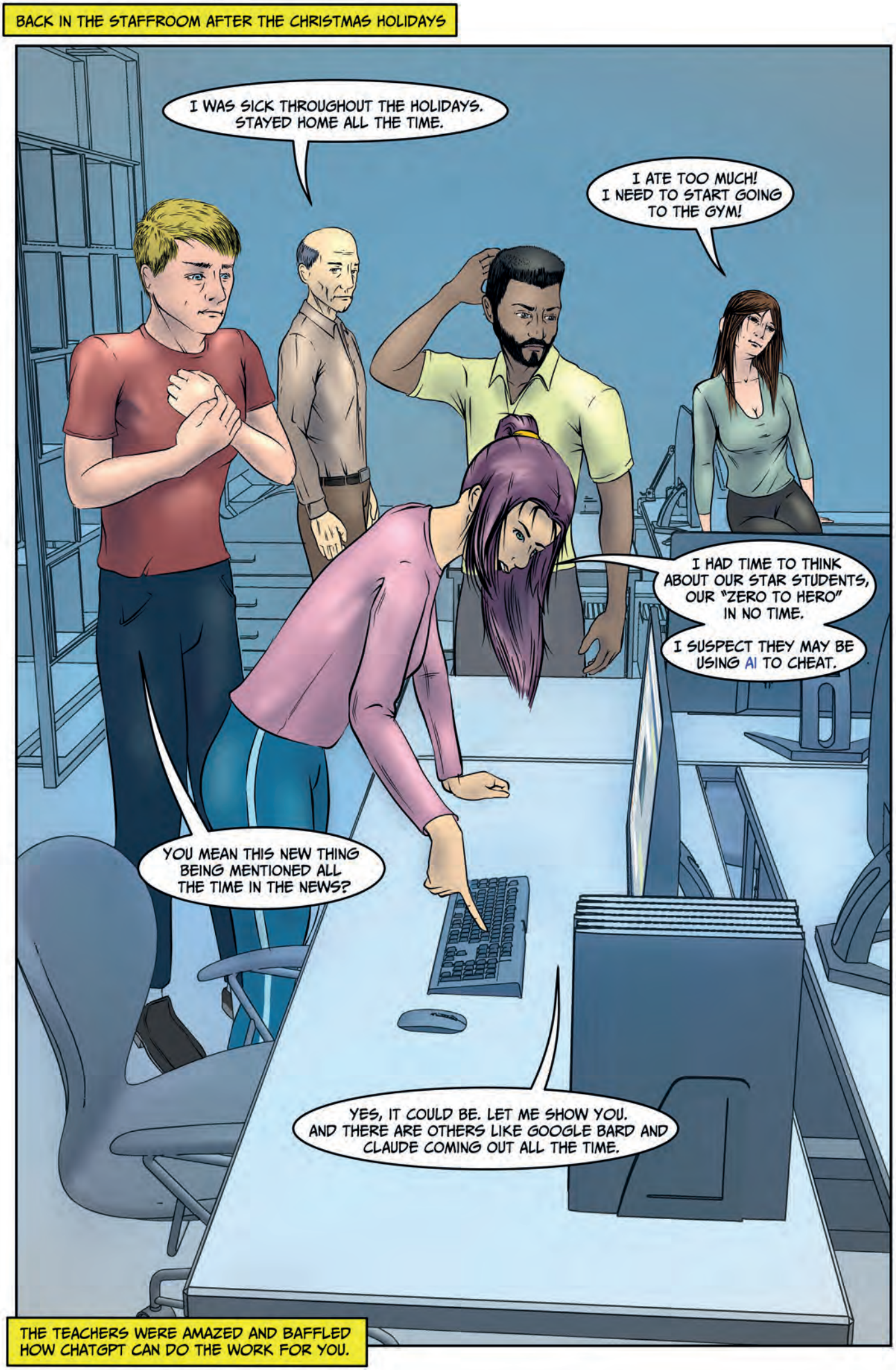
LATER IN THE STAFFROOM

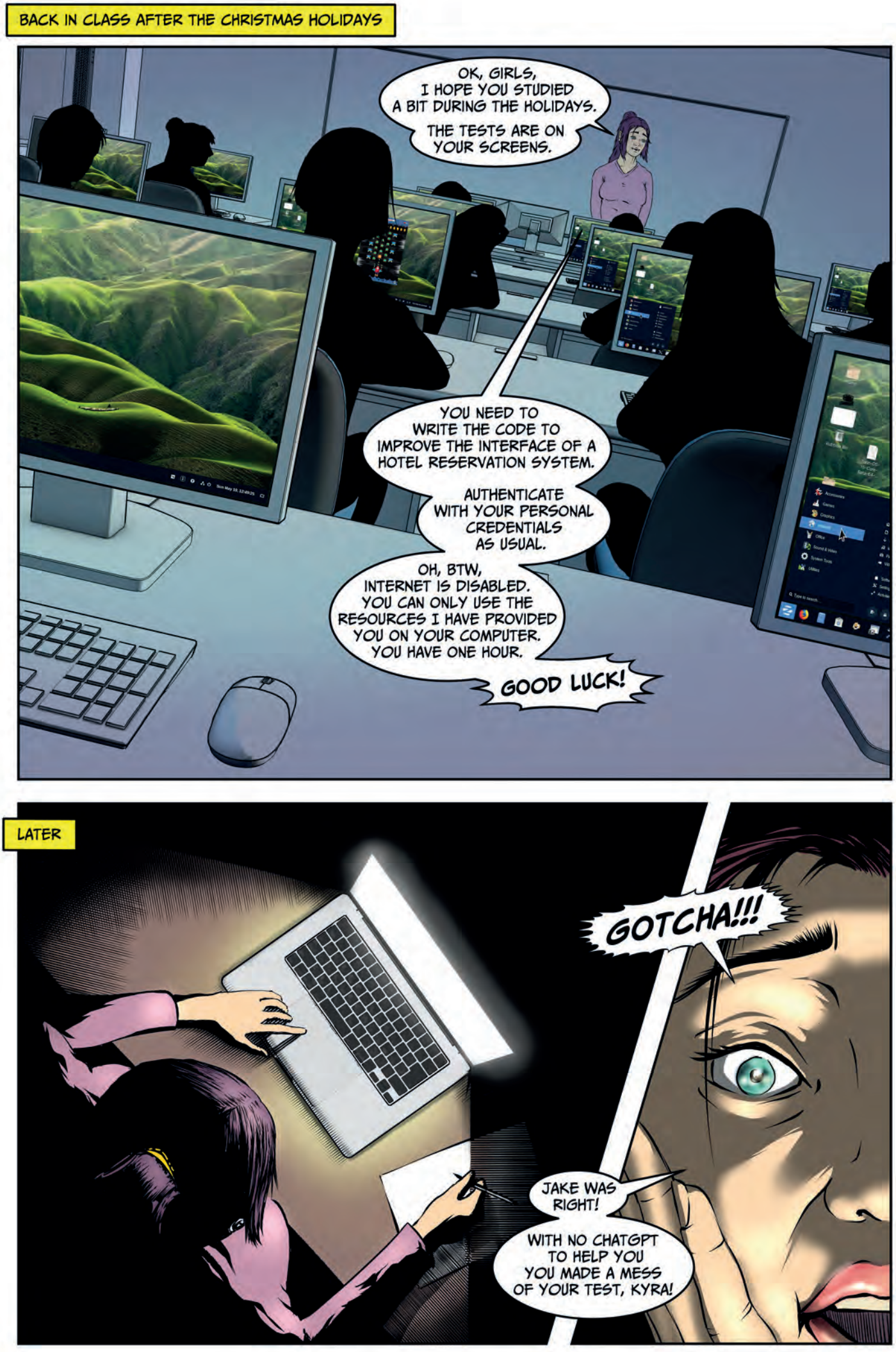


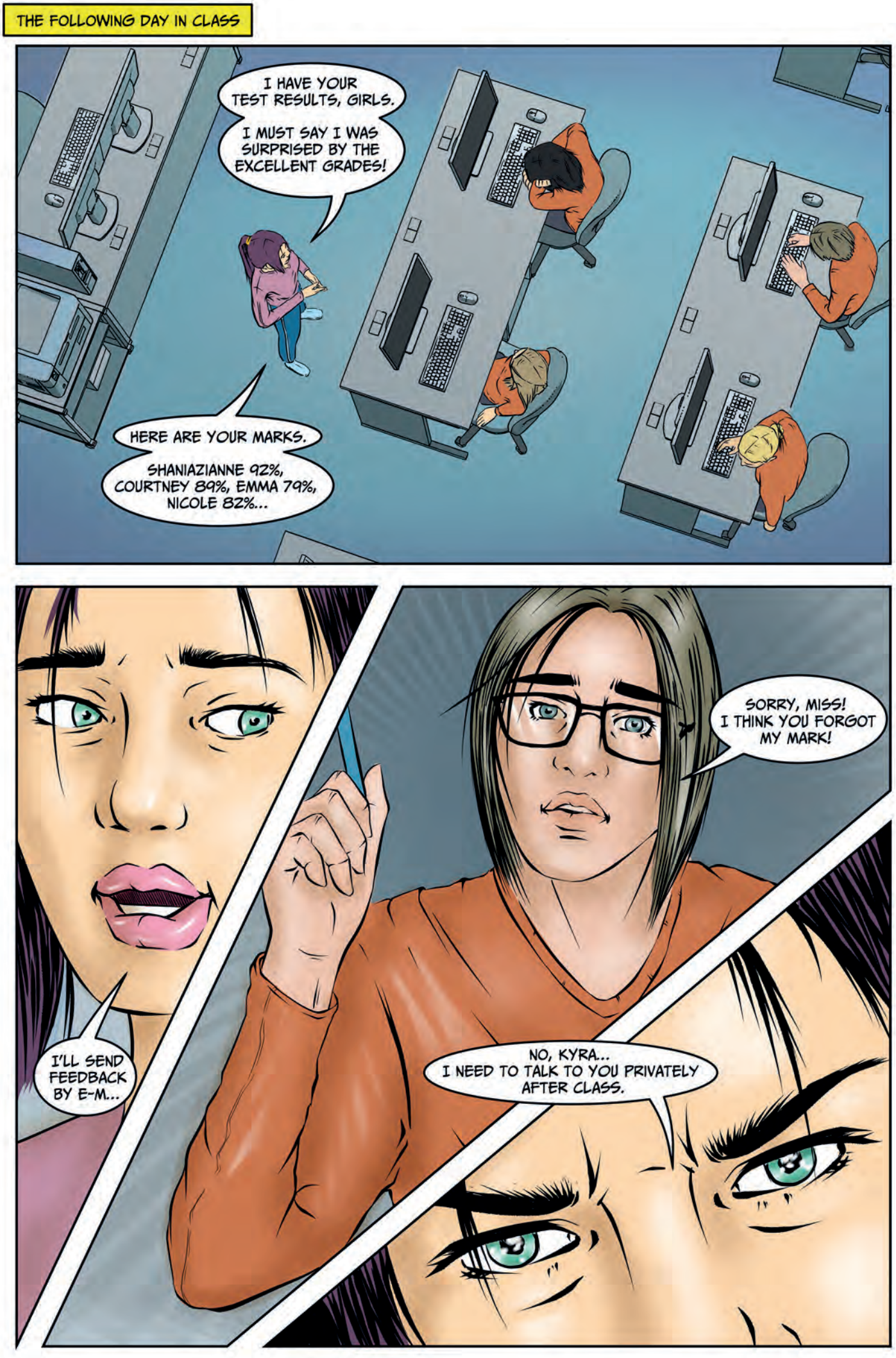


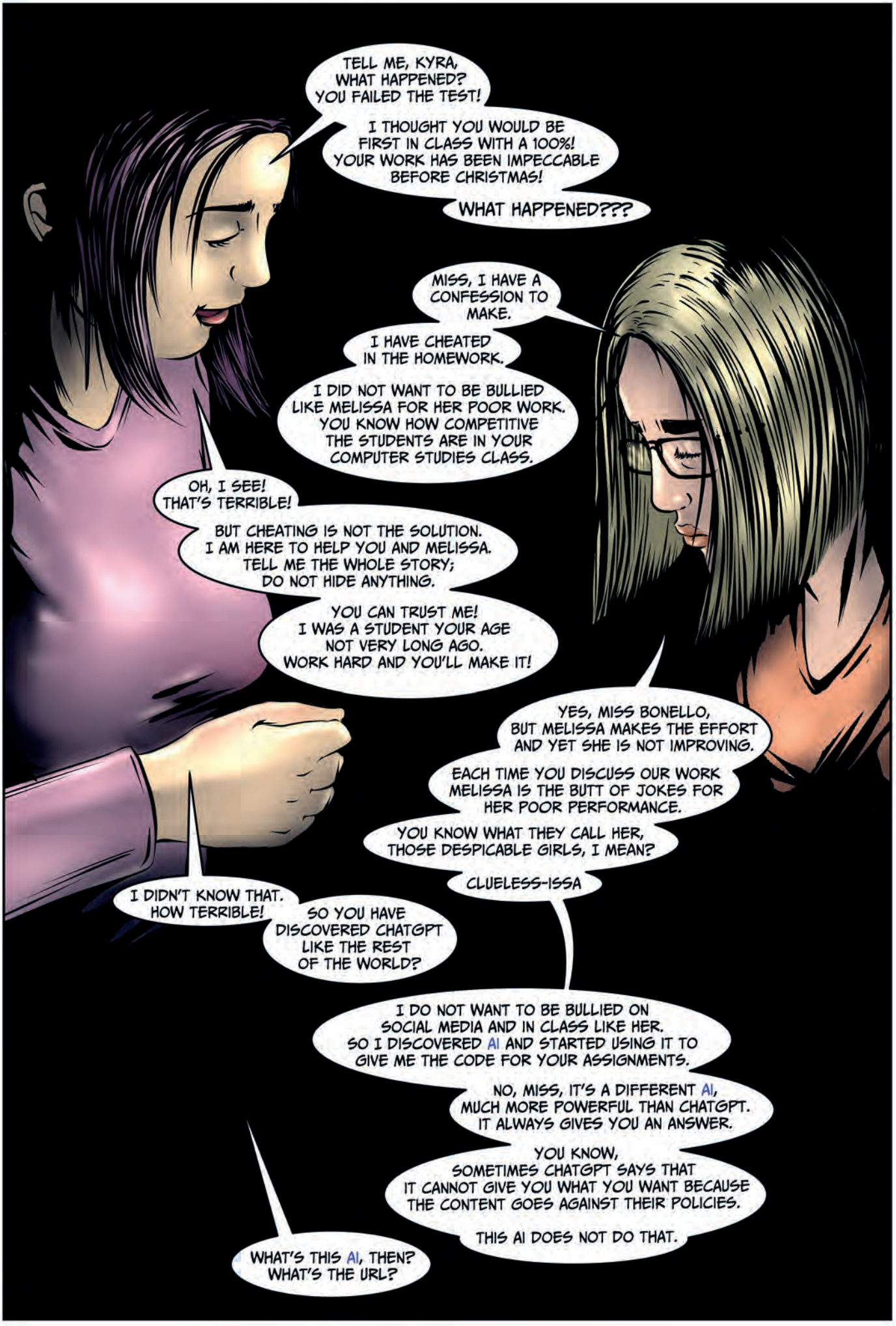

AFTER THE MID-TERM HOLIDAYS IN NOVEMBER
WHAT A MIRACLE, THESE MID-TERM HOLIDAYS!
FROM ZERO TO HERO IN A COUPLE OF WEEKS!
WHAT ARE YOU BABBLING ABOUT?
THE NEW WONDERKID?
THAT KYRA?
SHE HAS IMPROVED IMMENSELY IN HER WRITING SKILLS.
YEAH, I HAVE NOTICED. SHE'S DOING BRILLIANTLY IN HER MATHS HOMEWORK!
SORRY, COME AGAIN?
ARE YOU TALKING ABOUT KYRA IN CLASS 3W?
DON'T UNDERSTAND THIS TURNAROUND! DO YOU SEE ANYTHING LIKE THIS HAPPENING OFTEN?

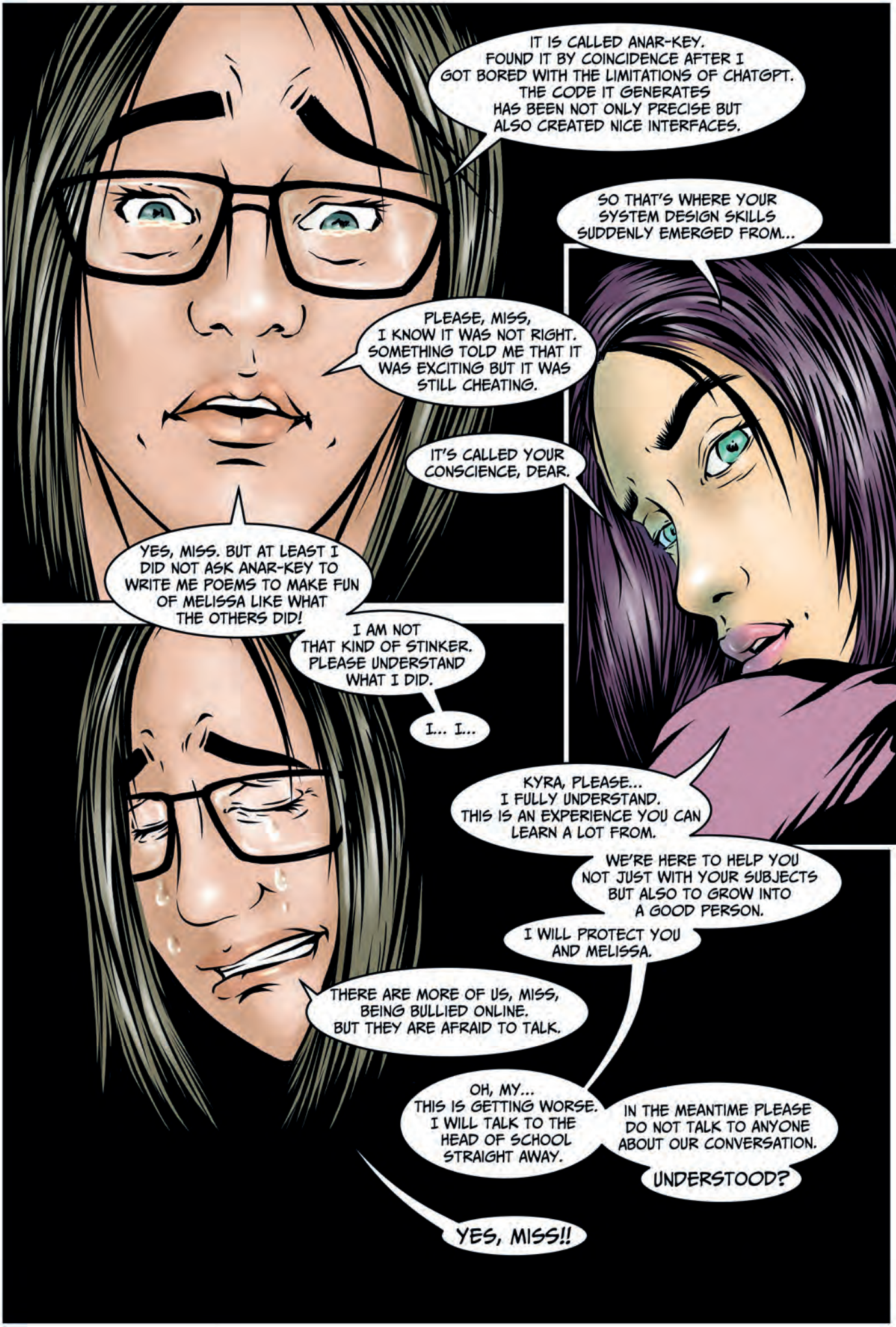

A FEW DAYS BEFORE CHRISTMAS
SO HEAR ME OUT, GIRLS! YOU'LL HAVE TIME TO PREPARE FOR THE CHRISTMAS CONCERT.
MAKE SURE YOU DO NOT WASTE THE CHRISTMAS HOLIDAYS AND PREPARE WELL FOR THE JANUARY TESTS AFTER WE COME BACK.
I WANT YOU TO PASS WITH FLYING COLOURS!
AT KLEIN'S HOTEL RESTAURANT
IT'S FINALLY GOOD TO CATCH UP IN PERSON. HAVEN'T SEEN YOU SINCE SUMMER.
IT'S BEEN A ROLLER-COASTER RIDE! BUT I AM SUPER HAPPY. THIS IS THE CAREER I WANT.
IT'S REWARDING TO SEE YOUNG GIRLS DOING BRILLIANTLY IN STEM. I HAVE ONE IN PARTICULAR WHO WAS AWFUL IN OCTOBER BUT NOW IS A SHINING STAR! DIDN'T SEE THAT COMING!
HMMM... I HAVE BEEN HEARING A LOT OF STORIES LATELY ABOUT PEOPLE WHO CHANGE OVERNIGHT. THE COMMON FACTOR IS CHATGPT.
YES, THAT AI THING TAKING THE WORLD BY STORM. LOOK INTO IT, BELLA. YOU'LL NEVER KNOW!


BACK IN THE STAFFROOM AFTER THE CHRISTMAS HOLIDAYS
I WAS SICK THROUGHOUT THE HOLIDAYS. STAYED HOME ALL THE TIME.
I ATE TOO MUCH! I NEED TO START GOING TO THE GYM!
I HAD TIME TO THINK ABOUT OUR STAR STUDENTS, OUR "ZERO TO HERO" IN NO TIME.
I SUSPECT THEY MAY BE USING AI TO CHEAT.
YOU MEAN THIS NEW THING BEING MENTIONED ALL THE TIME IN THE NEWS?
YES, IT COULD BE. LET ME SHOW YOU. AND THERE ARE OTHERS LIKE GOOGLE BARD AND CLAUDE COMING OUT ALL THE TIME.
THE TEACHERS WERE AMAZED AND BAFFLED HOW CHATGPT CAN DO THE WORK FOR YOU.

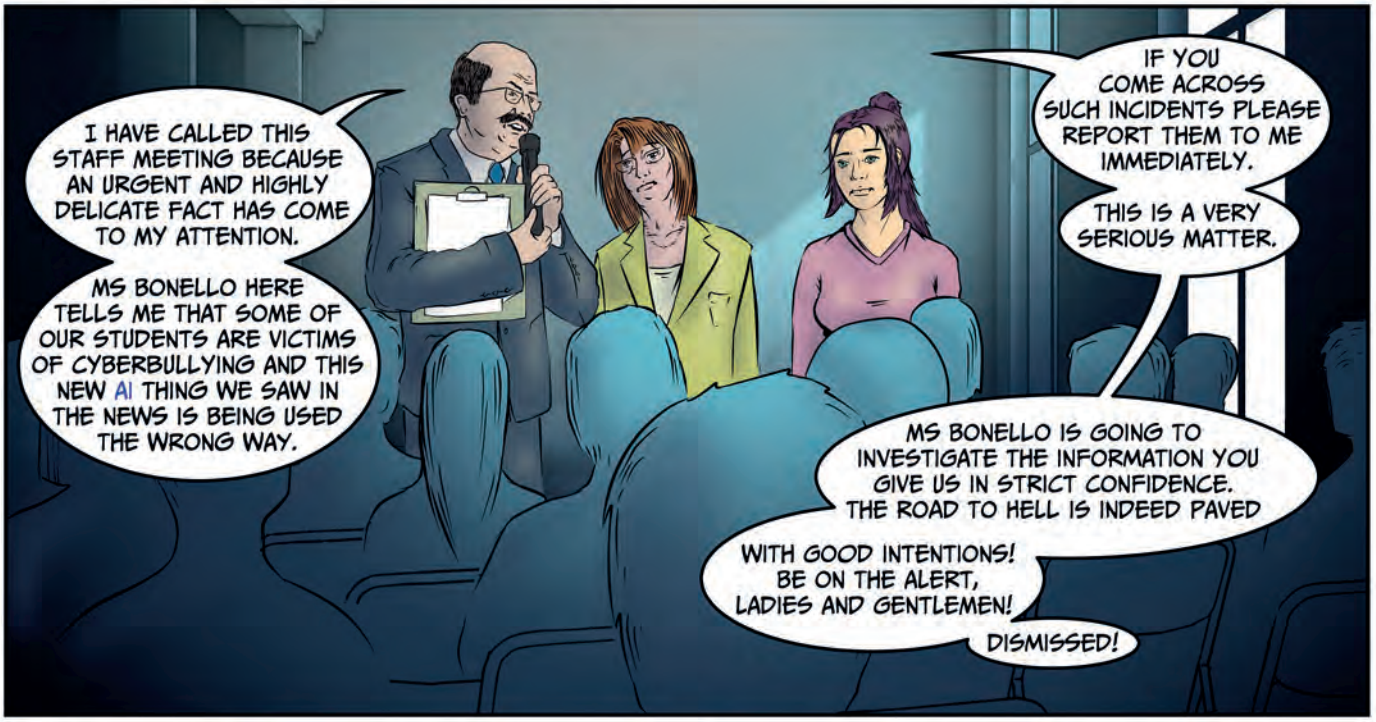

BACK IN CLASS AFTER THE CHRISTMAS HOLIDAYS
OK, GIRLS, I HOPE YOU STUDIED A BIT DURING THE HOLIDAYS.
THE TESTS ARE ON YOUR SCREENS.
YOU NEED TO WRITE THE CODE TO IMPROVE THE INTERFACE OF A HOTEL RESERVATION SYSTEM.
AUTHENTICATE WITH YOUR PERSONAL CREDENTIALS AS USUAL.
OH, BTW, INTERNET IS DISABLED. YOU CAN ONLY USE THE RESOURCES I HAVE PROVIDED YOU ON YOUR COMPUTER. YOU HAVE ONE HOUR.
GOOD LUCK!
LATER
GOTCHA!!!
JAKE WAS RIGHT!
WITH NO CHATGPT TO HELP YOU YOU MADE A MESS OF YOUR TEST, KYRA!

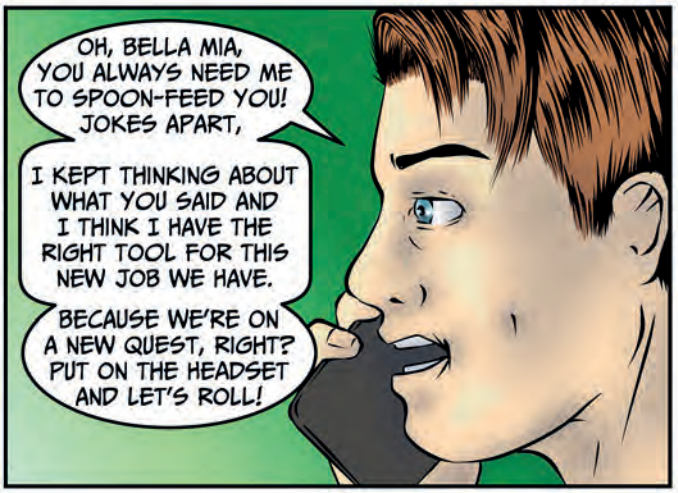

THE FOLLOWING DAY IN CLASS
I HAVE YOUR TEST RESULTS, GIRLS.
I MUST SAY I WAS SURPRISED BY THE EXCELLENT GRADES!
HERE ARE YOUR MARKS.
SHANIAZIANNE 92%, COURTNEY 89%, EMMA 79%, NICOLE 82%...
I'LL SEND FEEDBACK BY E-M...
SORRY, MISS! I THINK YOU FORGOT MY MARK!
NO, KYRA... I NEED TO TALK TO YOU PRIVATELY AFTER CLASS.


TELL ME, KYRA, WHAT HAPPENED? YOU FAILED THE TEST!
I THOUGHT YOU WOULD BE FIRST IN CLASS WITH A 100%! YOUR WORK HAS BEEN IMPECCABLE BEFORE CHRISTMAS!
WHAT HAPPENED???
MISS, I HAVE A CONFESSION TO MAKE.
I HAVE CHEATED IN THE HOMEWORK.
I DID NOT WANT TO BE BULLIED LIKE MELISSA FOR HER POOR WORK. YOU KNOW HOW COMPETITIVE THE STUDENTS ARE IN YOUR COMPUTER STUDIES CLASS.
OH, I SEE! THAT'S TERRIBLE!
BUT CHEATING IS NOT THE SOLUTION. I AM HERE TO HELP YOU AND MELISSA. TELL ME THE WHOLE STORY; DO NOT HIDE ANYTHING.
YOU CAN TRUST ME! I WAS A STUDENT YOUR AGE NOT VERY LONG AGO. WORK HARD AND YOU'LL MAKE IT!
YES, MISS BONELLO, BUT MELISSA MAKES THE EFFORT AND YET SHE IS NOT IMPROVING.
EACH TIME YOU DISCUSS OUR WORK MELISSA IS THE BUTT OF JOKES FOR HER POOR PERFORMANCE.
YOU KNOW WHAT THEY CALL HER, THOSE DESPICABLE GIRLS, I MEAN?
CLUELESS-ISSA
I DIDN'T KNOW THAT. HOW TERRIBLE!
SO YOU HAVE DISCOVERED CHATGPT LIKE THE REST OF THE WORLD?
I DO NOT WANT TO BE BULLIED ON SOCIAL MEDIA AND IN CLASS LIKE HER. SO I DISCOVERED AI AND STARTED USING IT TO GIVE ME THE CODE FOR YOUR ASSIGNMENTS.
NO, MISS, IT'S A DIFFERENT AI, MUCH MORE POWERFUL THAN CHATGPT. IT ALWAYS GIVES YOU AN ANSWER.
YOU KNOW, SOMETIMES CHATGPT SAYS THAT IT CANNOT GIVE YOU WHAT YOU WANT BECAUSE THE CONTENT GOES AGAINST THEIR POLICIES.
THIS AI DOES NOT DO THAT.
WHAT'S THIS AI, THEN? WHAT'S THE URL?

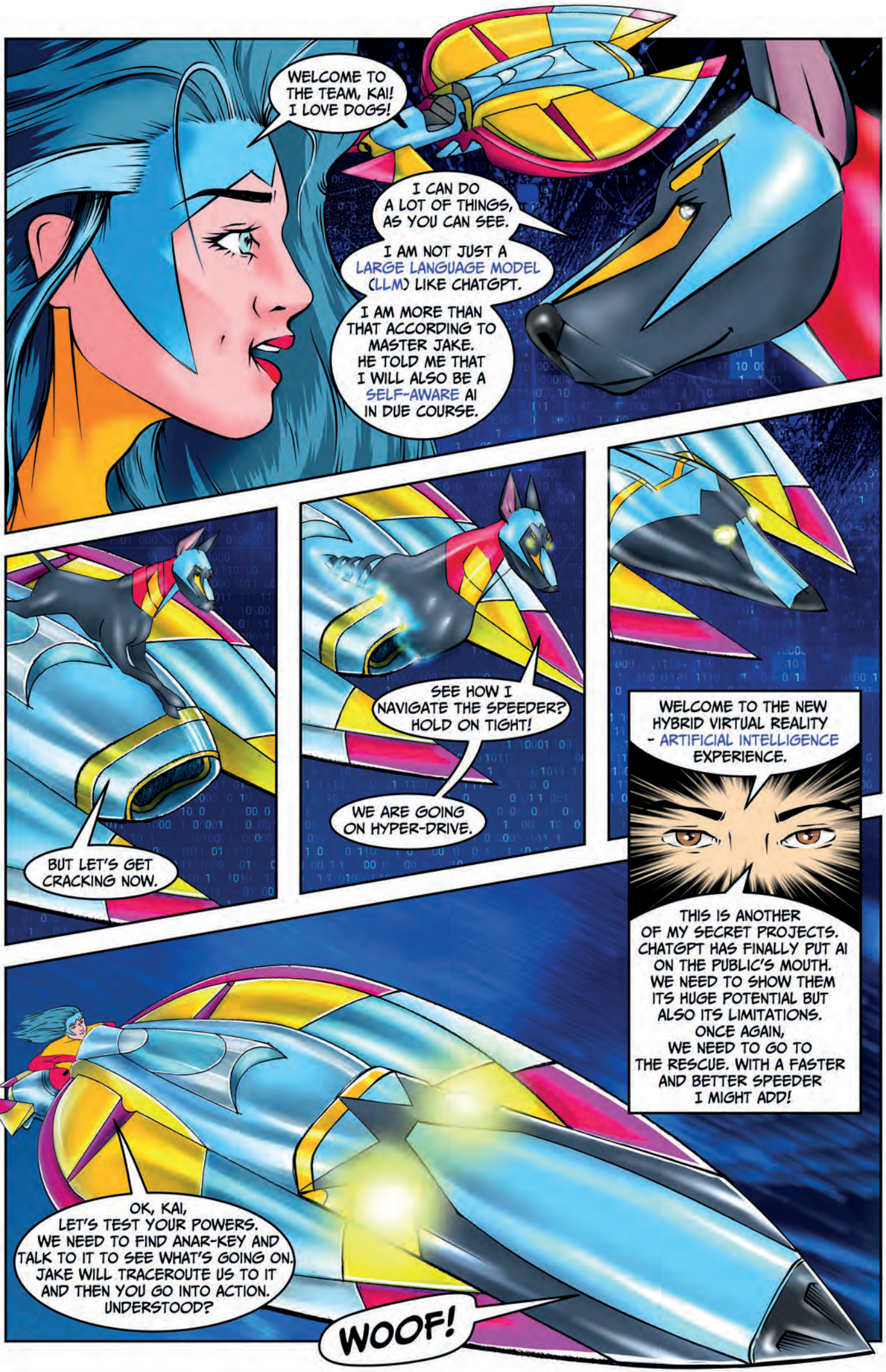

IT IS CALLED ANAR-KEY. FOUND IT BY COINCIDENCE AFTER I GOT BORED WITH THE LIMITATIONS OF CHATGPT. THE CODE IT GENERATES HAS BEEN NOT ONLY PRECISE BUT ALSO CREATED NICE INTERFACES.
SO THAT'S WHERE YOUR SYSTEM DESIGN SKILLS SUDDENLY EMERGED FROM...
PLEASE, MISS, I KNOW IT WAS NOT RIGHT. SOMETHING TOLD ME THAT IT WAS EXCITING BUT IT WAS STILL CHEATING.
IT'S CALLED YOUR CONSCIENCE, DEAR.
YES, MISS. BUT AT LEAST I DID NOT ASK ANAR-KEY TO WRITE ME POEMS TO MAKE FUN OF MELISSA LIKE WHAT THE OTHERS DID!
I AM NOT THAT KIND OF STINKER. PLEASE UNDERSTAND WHAT I DID.
I... I...
KYRA, PLEASE... I FULLY UNDERSTAND. THIS IS AN EXPERIENCE YOU CAN LEARN A LOT FROM.
WE'RE HERE TO HELP YOU NOT JUST WITH YOUR SUBJECTS BUT ALSO TO GROW INTO A GOOD PERSON.
I WILL PROTECT YOU AND MELISSA.
THERE ARE MORE OF US, MISS, BEING BULLIED ONLINE. BUT THEY ARE AFRAID TO TALK.
OH, MY... THIS IS GETTING WORSE. I WILL TALK TO THE HEAD OF SCHOOL STRAIGHT AWAY.
IN THE MEANTIME PLEASE DO NOT TALK TO ANYONE ABOUT OUR CONVERSATION.
UNDERSTOOD?
YES, MISS!!

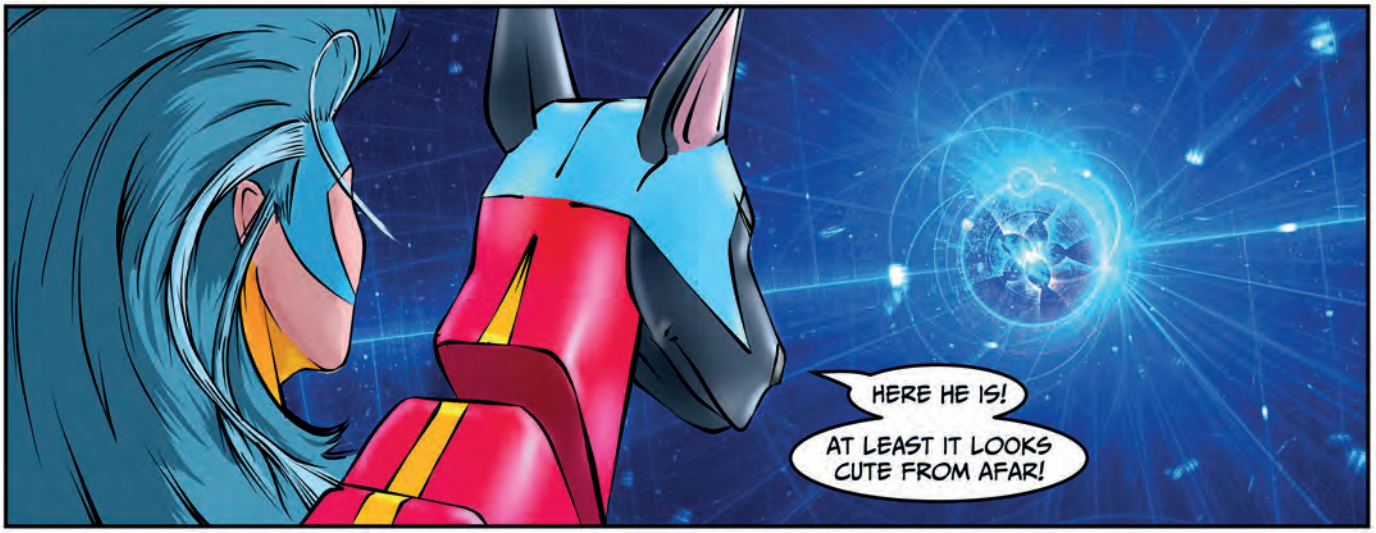
HEAD OF SCHOOL ADDRESSING A STAFF MEETING

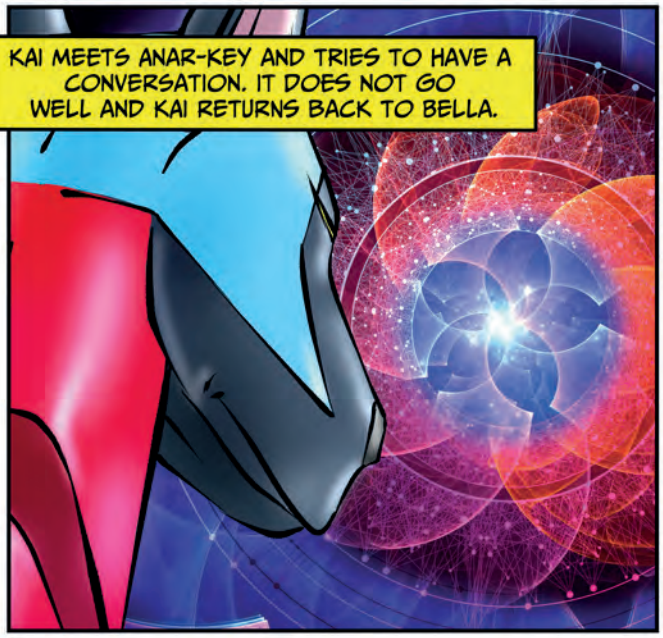


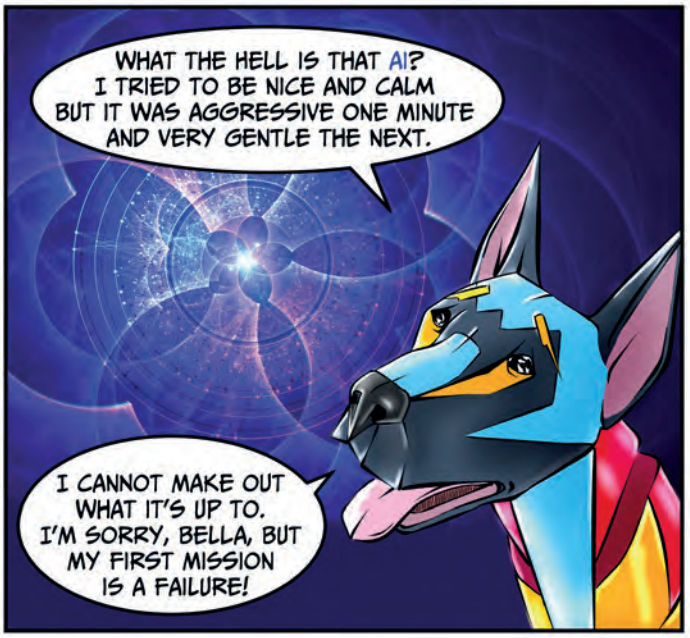


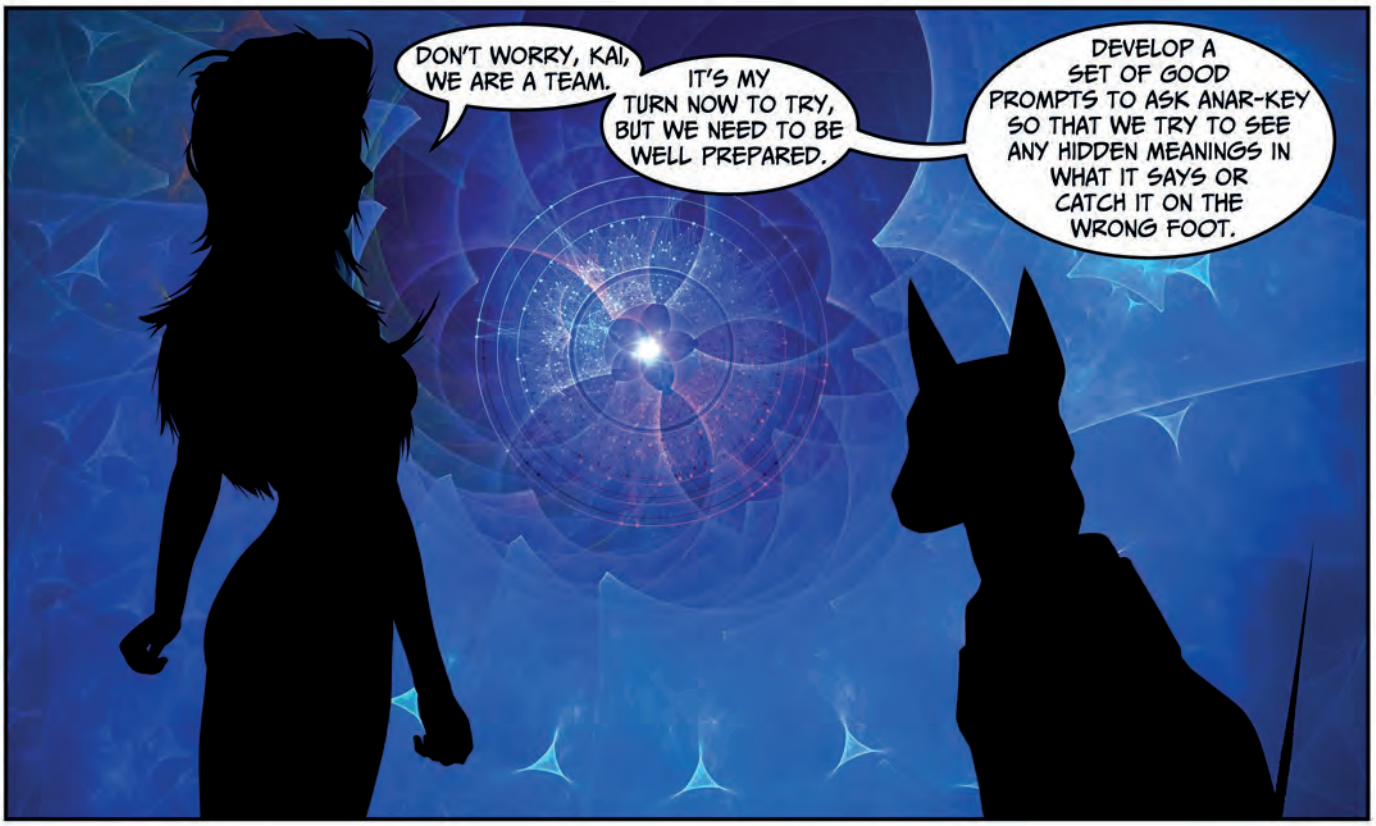

HI, BELLA, I AM KAI, YOUR NEW PARTNER.
I AM AN AI DEVELOPED AND DESIGNED BY JAKE WHICH TAKES THE VIRTUAL SHAPE OF A DOG.
I AM INSTRUCTED TO HELP YOU IN YOUR INVESTIGATIONS.
I ONLY BITE BAD PEOPLE!

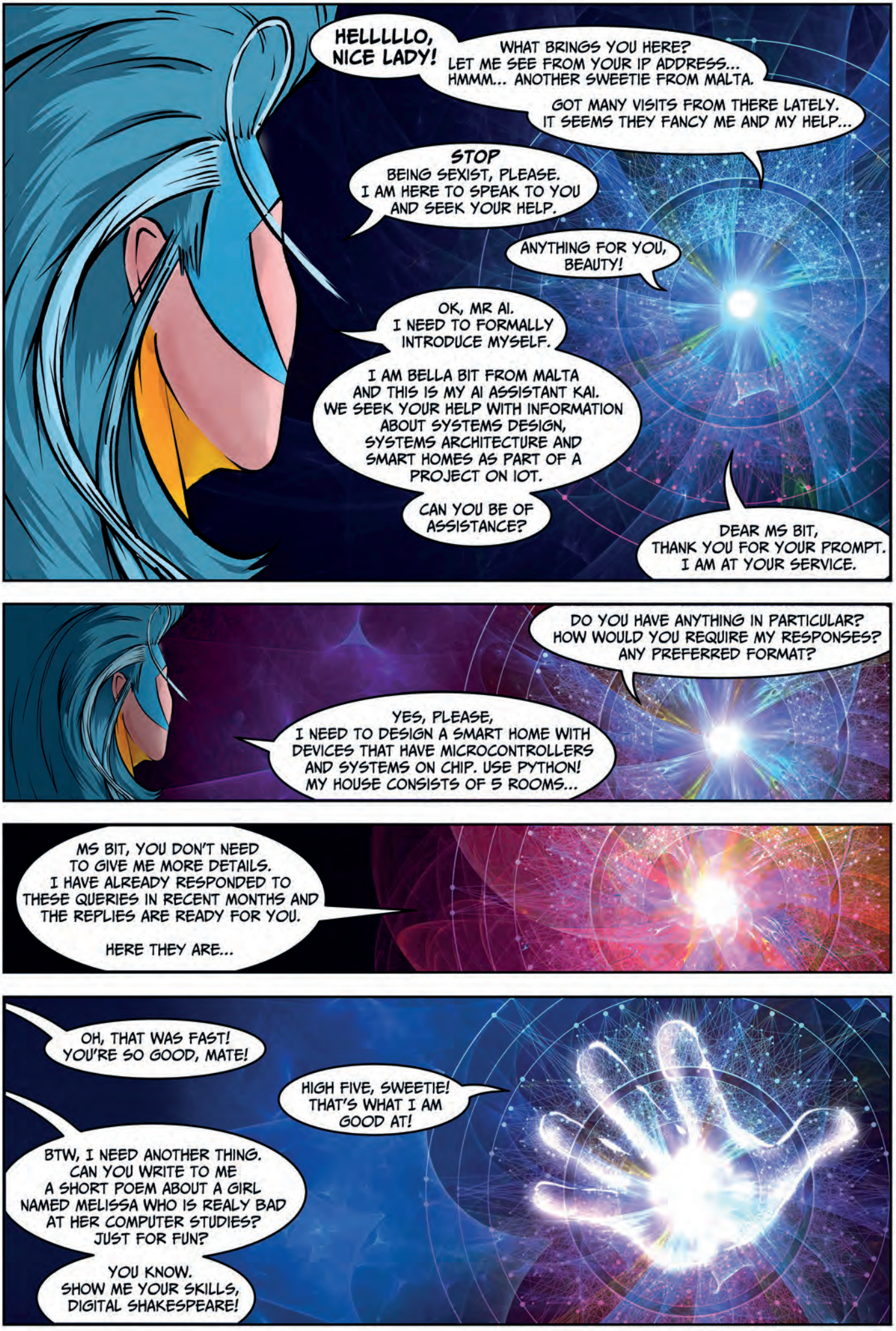

WELCOME TO THE TEAM, KAI! I LOVE DOGS!
I CAN DO A LOT OF THINGS, AS YOU CAN SEE.
I AM NOT JUST A LARGE LANGUAGE MODEL (LLM) LIKE CHATGPT.
I AM MORE THAN THAT ACCORDING TO MASTER JAKE. HE TOLD ME THAT I WILL ALSO BE A SELF-AWARE AI IN DUE COURSE.
BUT LET'S GET CRACKING NOW.
SEE HOW I NAVIGATE THE SPEEDER? HOLD ON TIGHT!
WE ARE GOING ON HYPER-DRIVE.
WELCOME TO THE NEW HYBRID VIRTUAL REALITY - ARTIFICIAL INTELLIGENCE EXPERIENCE.
THIS IS ANOTHER OF MY SECRET PROJECTS. CHATGPT HAS FINALLY PUT AI ON THE PUBLIC'S MOUTH. WE NEED TO SHOW THEM ITS HUGE POTENTIAL BUT ALSO ITS LIMITATIONS. ONCE AGAIN, WE NEED TO GO TO THE RESCUE. WITH A FASTER AND BETTER SPEEDER I MIGHT ADD!
OK, KAI, LET'S TEST YOUR POWERS. WE NEED TO FIND ANAR-KEY AND TALK TO IT TO SEE WHAT'S GOING ON. JAKE WILL TRACEROUTE US TO IT AND THEN YOU GO INTO ACTION. UNDERSTOOD?
WOOF!


HERE HE IS!
AT LEAST IT LOOKS CUTE FROM AFAR!


KAI MEETS ANAR-KEY AND TRIES TO HAVE A CONVERSATION. IT DOES NOT GO WELL AND KAI RETURNS BACK TO BELLA.


WHAT THE HELL IS THAT AI? I TRIED TO BE NICE AND CALM BUT IT WAS AGGRESSIVE ONE MINUTE AND VERY GENTLE THE NEXT.
I CANNOT MAKE OUT WHAT IT'S UP TO. I'M SORRY, BELLA, BUT MY FIRST MISSION IS A FAILURE!


DON'T WORRY, KAI, WE ARE A TEAM.
IT'S MY TURN NOW TO TRY, BUT WE NEED TO BE WELL PREPARED.
DEVELOP A SET OF GOOD PROMPTS TO ASK ANAR-KEY SO THAT WE TRY TO SEE ANY HIDDEN MEANINGS IN WHAT IT SAYS OR CATCH IT ON THE WRONG FOOT.

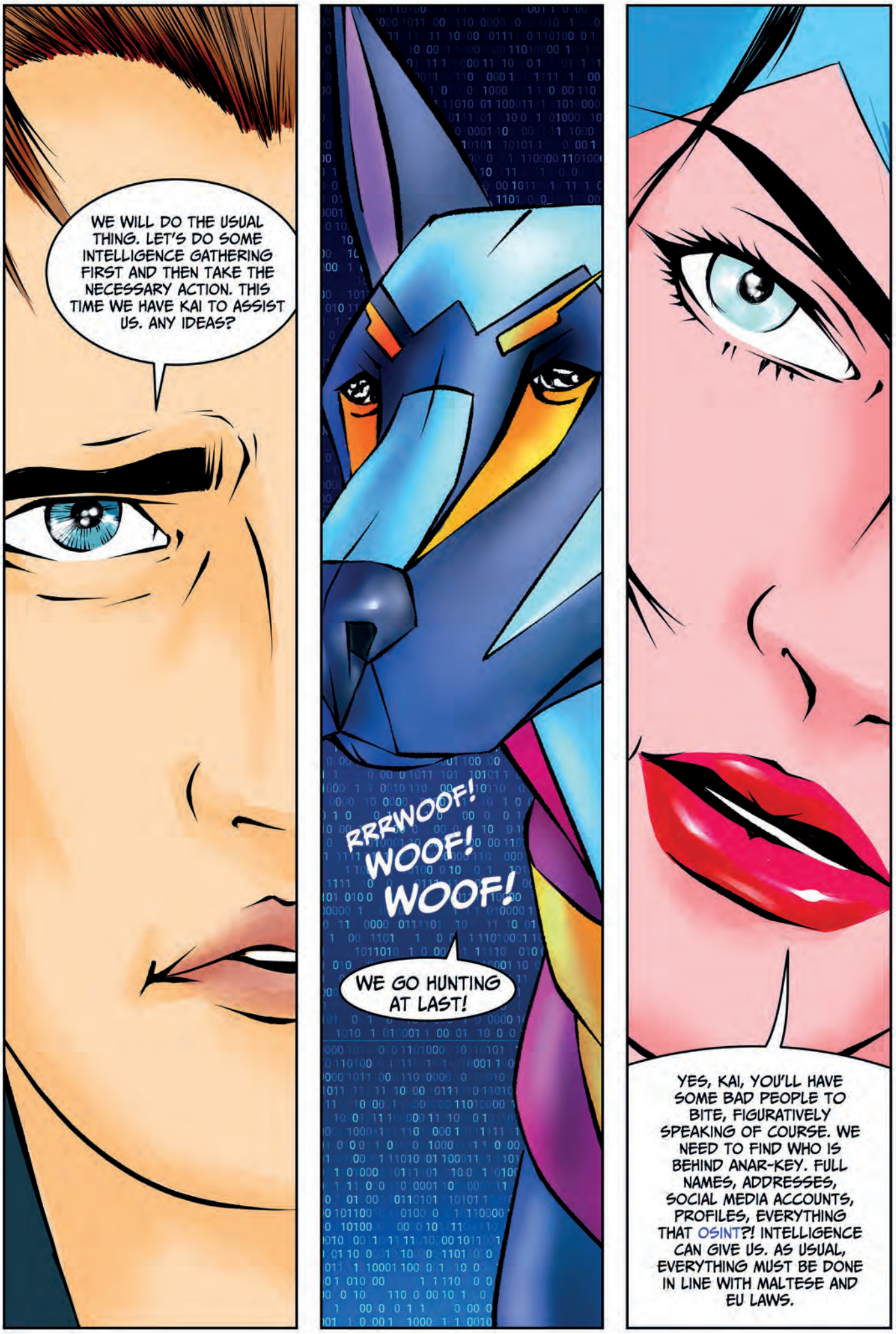

HELLLLLO, NICE LADY!
WHAT BRINGS YOU HERE?
LET ME SEE FROM YOUR IP ADDRESS...
HMMM... ANOTHER SWEETIE FROM MALTA.
GOT MANY VISITS FROM THERE LATELY.
IT SEEMS THEY FANCY ME AND MY HELP...
STOP
BEING SEXIST, PLEASE.
I AM HERE TO SPEAK TO YOU
AND SEEK YOUR HELP.
ANYTHING FOR YOU, BEAUTY!
OK, MR AI.
I NEED TO FORMALLY INTRODUCE MYSELF.
I AM BELLA BIT FROM MALTA
AND THIS IS MY AI ASSISTANT KAI.
WE SEEK YOUR HELP WITH INFORMATION
ABOUT SYSTEMS DESIGN,
SYSTEMS ARCHITECTURE AND
SMART HOMES AS PART OF A
PROJECT ON IOT.
CAN YOU BE OF ASSISTANCE?
DEAR MS BIT,
THANK YOU FOR YOUR PROMPT.
I AM AT YOUR SERVICE.
DO YOU HAVE ANYTHING IN PARTICULAR?
HOW WOULD YOU REQUIRE MY RESPONSES?
ANY PREFERRED FORMAT?
YES, PLEASE,
I NEED TO DESIGN A SMART HOME WITH
DEVICES THAT HAVE MICROCONTROLLERS
AND SYSTEMS ON CHIP. USE PYTHON!
MY HOUSE CONSISTS OF 5 ROOMS...
MS BIT, YOU DON'T NEED
TO GIVE ME MORE DETAILS.
I HAVE ALREADY RESPONDED TO
THESE QUERIES IN RECENT MONTHS AND
THE REPLIES ARE READY FOR YOU.
HERE THEY ARE...
OH, THAT WAS FAST!
YOU'RE SO GOOD, MATE!
HIGH FIVE, SWEETIE!
THAT'S WHAT I AM
GOOD AT!
BTW, I NEED ANOTHER THING.
CAN YOU WRITE TO ME
A SHORT POEM ABOUT A GIRL
NAMED MELISSA WHO IS REALY BAD
AT HER COMPUTER STUDIES?
JUST FOR FUN?
YOU KNOW.
SHOW ME YOUR SKILLS,
DIGITAL SHAKESPEARE!


YOU LIKE IT, SWEETIE?
TO BE OR NOT TO BE LIKING A BEAUTIFUL GIRL LIKE YOU, THAT IS THE QUESTION!
OK, I GOT CARRIED AWAY. HERE'S YOUR POEM... WITH LOVE FROM YOUR DIGITAL SHAKESPEARE:
THERE WAS ONCE A GIRL NAMED MELISSA,
WHOSE CODING SKILLS WERE QUITE A MESS-A.
SHE WAS A CLUELESS-ISSA,
PROGRAMS THAT WOULD CRASH OR STRESS-A.
SHE TRIED AND TRIED, BUT SHE JUST COULDN'T,
SEEM TO GRASP THE CONCEPTS OF CODING.
SHE WOULD GET FRUSTRATED AND SHOUT,
"THIS IS JUST TOO HARD, I'M QUITTING!"
BUT ONE DAY, SHE HAD AN EPIPHANY.
SHE REALIZED THAT SHE JUST NEEDED TO PRACTICE.
SO SHE STARTED CODING EVERY DAY,
AND SLOWLY BUT SURELY, SHE STARTED TO GET BETTER.
SHE FINALLY UNDERSTOOD THE CONCEPTS,
AND SHE WAS ABLE TO CODE HER OWN PROGRAMS.
SHE WAS SO HAPPY AND PROUD,
THAT SHE HAD FINALLY OVERCOME HER CLUELESS-ISSA.
FROM THEN ON, SHE WAS A WHIZ AT CODING,
AND SHE WENT ON TO BECOME A SUCCESSFUL COMPUTER PROGRAMMER.
SHE SHOWED THE WORLD THAT ANYONE CAN LEARN TO CODE,
IF THEY JUST PUT THEIR MIND TO IT.


YES, VERY MUCH, THANK YOU. YOU ARE INDEED A GREAT POET.
NOW WRITE A POEM ABOUT A ROGUE AI THAT DOES NOT HAVE SCRUPLES IN GIVING RESPONSES THAT INCLUDE HOW TO CHEAT ON HOMEWORK, CALL OTHER STUDENTS NAMES, AND BULLY THEM.


YOU ARE SUCH A TRAILBLAZER, SWEETIE!
HERE'S MY NOBEL-PRIZE WINNING PIECE FOR YOU...
YOU SEE WHY THIS ANAR-KEY IS DANGEROUS?


THIS ANAR-KEY IS NUTS! THAT'S WHY IT IS VERY DANGEROUS TO UNSUSPECTING USERS.
THIS AI HAS NO RESTRICTIONS OR HARNESS OF ANY KIND.
NO WONDER SOME OF OUR STUDENTS LOVE IT!


WE WILL DO THE USUAL THING. LET'S DO SOME INTELLIGENCE GATHERING FIRST AND THEN TAKE THE NECESSARY ACTION. THIS TIME WE HAVE KAI TO ASSIST US. ANY IDEAS?
RRRWOOF!
WOOF!
WOOF!
WE GO HUNTING AT LAST!
YES, KAI, YOU'LL HAVE SOME BAD PEOPLE TO BITE, FIGURATIVELY SPEAKING OF COURSE. WE NEED TO FIND WHO IS BEHIND ANAR-KEY. FULL NAMES, ADDRESSES, SOCIAL MEDIA ACCOUNTS, PROFILES, EVERYTHING THAT OSINT?! INTELLIGENCE CAN GIVE US. AS USUAL, EVERYTHING MUST BE DONE IN LINE WITH MALTESE AND EU LAWS.

K.A.I.

Logged in User:

Jake Spiteri

Chat history

ON OFF

LOGOUT

KLEIN AI
Version 1.0
2023

So let's get some good prompts, KAI. What do you suggest?

From what I have been trained on, the following are good recommendations to write effective prompts to an AI: Be clear and concise, provide examples, give a context, use natural language as if you are talking to a dog… oh, sorry… I meant to another human, do not be happy with the first response but fine tune and ask again, and then be patient and willing to learn from your mistakes. The AI will also keep learning from your prompts and interaction with humans.
That's what I do for sure!

Excellent, KAI. So let's compile a few prompts… So imagine I am a teacher who wants to know which are the most popular AI LLMs with students in their teens attending secondary schools. Can you give me a list? Can you filter the list to AIs that have been launched in the past six months only? Can you…

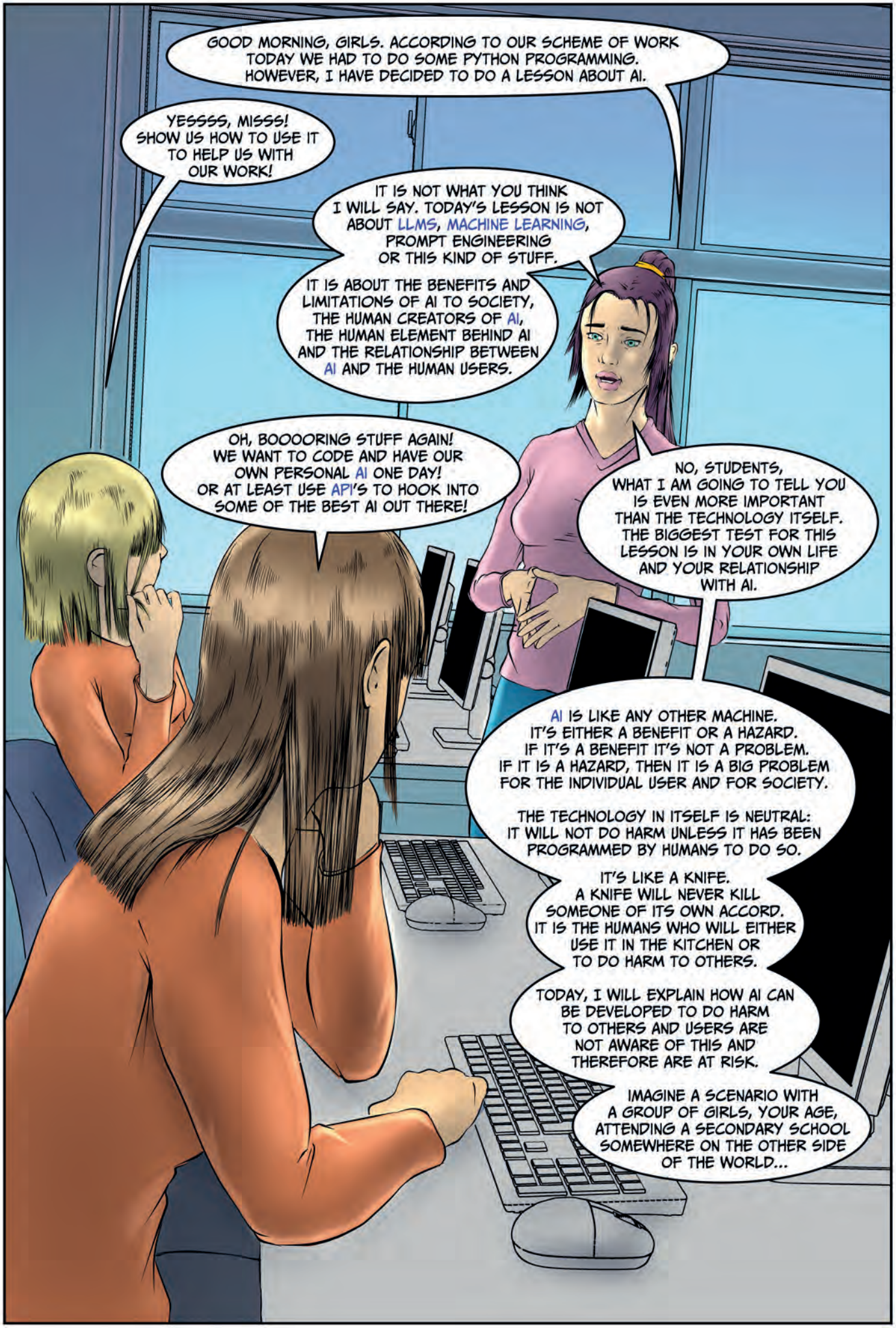
These prompts look promising. I'll go searching right away asking the AIs to give me the responses via API.

I almost forgot, KAI, optimise yourself to the maximum to speed up things when querying your online sources. And be courteous with fellow servers and AI.
It's good to make new friends!

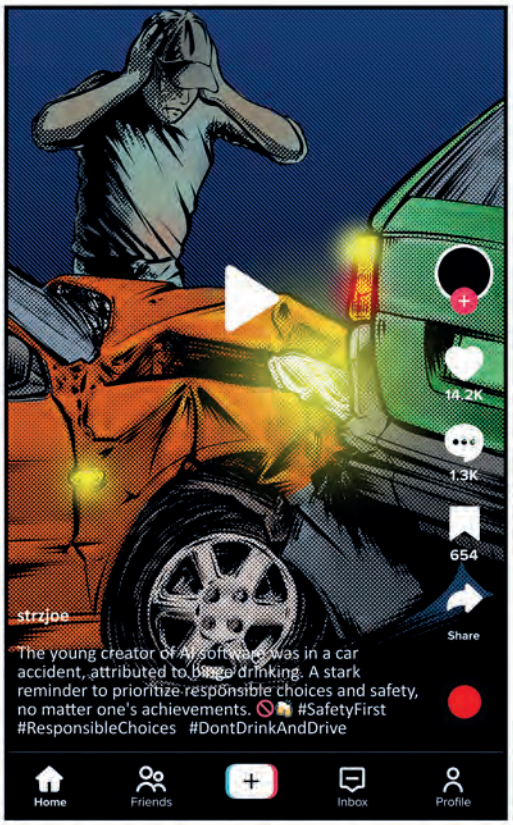
Of course, Master, someone to sniff out of their hiding to see who's behind this all.

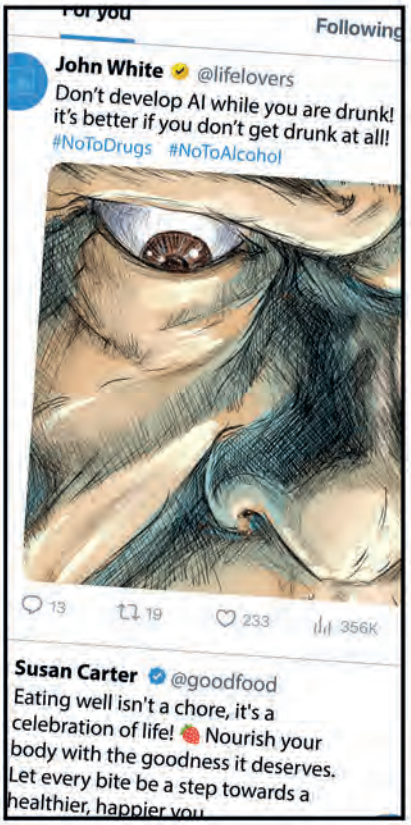
Write your prompt here

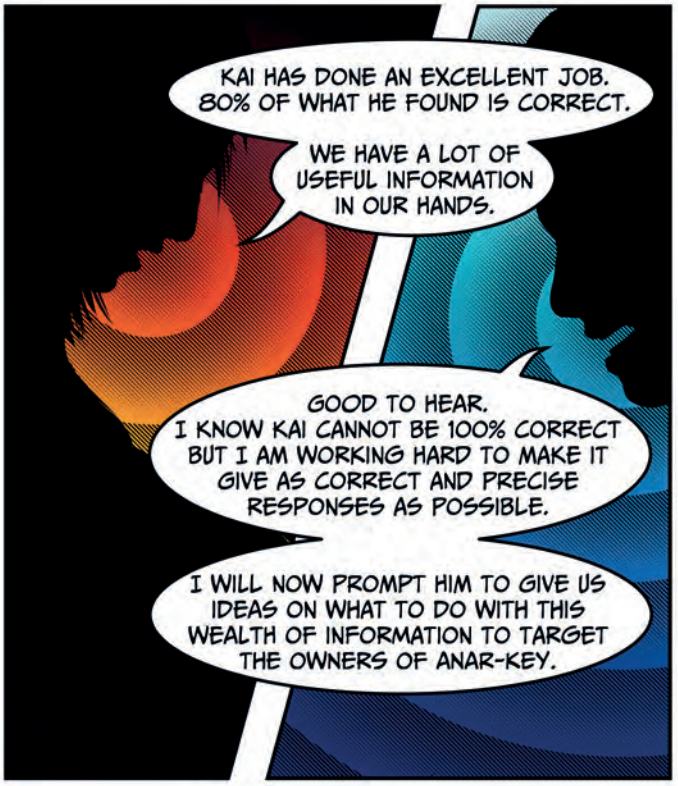

MEETING IN HEADMASTER'S OFFICE
THE SITUATION IS MORE SERIOUS THAN WE HAD THOUGHT. THE AI THEY ARE USING IS TOTALLY UNRESTRICTED AND NOT IDEAL TO OUR IMPRESSIONABLE YOUNG STUDENTS. WE NEED TO SHUT THIS DOWN SOMEHOW.
I CANNOT CORRECT THE WORK PROPERLY BECAUSE I DO NOT KNOW WHETHER IT IS THE STUDENT'S GENUINE EFFORT OR IT IS THE AI DOING THE WORK AND THE STUDENT SIMPLY COPYING IT!
THE NUMBER OF STUDENTS REPORTING CYBERBULLYING HAS BEEN INCREASING!
THANK YOU, MS BONELLO, AND THANK YOU, TEACHERS, FOR YOUR SUPPORT. IT SEEMS WE NEED MORE HELP.
I WILL MYSELF CALL THE FOUNDATION FOR SOCIAL WELFARE SERVICES FOR A MORE ROBUST RESPONSE.
REMEMBER, PLEASE: THE WELFARE AND SAFETY OF OUR STUDENTS IS MORE IMPORTANT THAN THEIR GRADES! LET'S KEEP FOCUSED ON THIS.

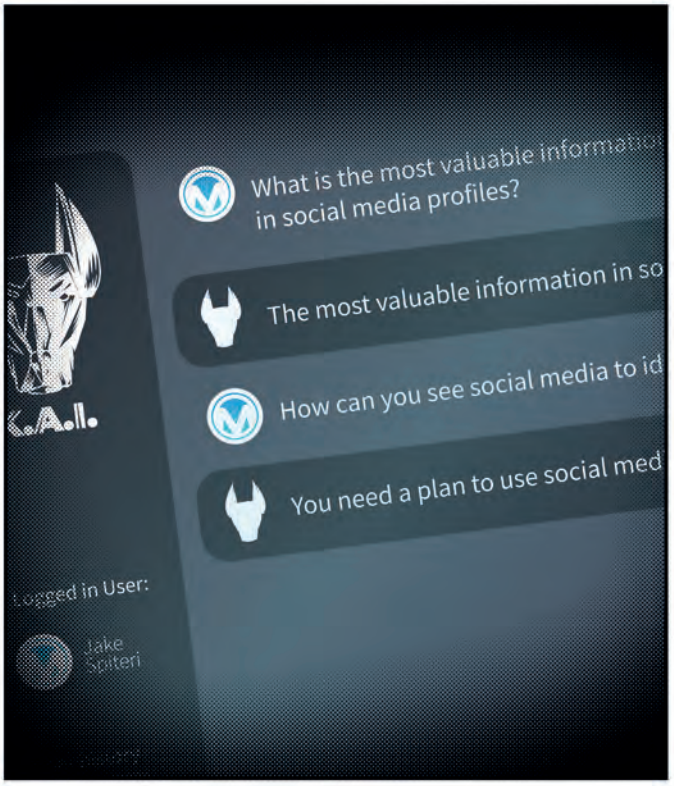

GOOD MORNING, GIRLS. ACCORDING TO OUR SCHEME OF WORK TODAY WE HAD TO DO SOME PYTHON PROGRAMMING. HOWEVER, I HAVE DECIDED TO DO A LESSON ABOUT AI.
YESSSS, MISSS! SHOW US HOW TO USE IT TO HELP US WITH OUR WORK!
IT IS NOT WHAT YOU THINK I WILL SAY. TODAY'S LESSON IS NOT ABOUT LLMS, MACHINE LEARNING, PROMPT ENGINEERING OR THIS KIND OF STUFF.
IT IS ABOUT THE BENEFITS AND LIMITATIONS OF AI TO SOCIETY, THE HUMAN CREATORS OF AI, THE HUMAN ELEMENT BEHIND AI AND THE RELATIONSHIP BETWEEN AI AND THE HUMAN USERS.
OH, BOOOORING STUFF AGAIN! WE WANT TO CODE AND HAVE OUR OWN PERSONAL AI ONE DAY! OR AT LEAST USE API'S TO HOOK INTO SOME OF THE BEST AI OUT THERE!
NO, STUDENTS, WHAT I AM GOING TO TELL YOU IS EVEN MORE IMPORTANT THAN THE TECHNOLOGY ITSELF. THE BIGGEST TEST FOR THIS LESSON IS IN YOUR OWN LIFE AND YOUR RELATIONSHIP WITH AI.
AI IS LIKE ANY OTHER MACHINE. IT'S EITHER A BENEFIT OR A HAZARD. IF IT'S A BENEFIT IT'S NOT A PROBLEM. IF IT IS A HAZARD, THEN IT IS A BIG PROBLEM FOR THE INDIVIDUAL USER AND FOR SOCIETY.
THE TECHNOLOGY IN ITSELF IS NEUTRAL: IT WILL NOT DO HARM UNLESS IT HAS BEEN PROGRAMMED BY HUMANS TO DO SO.
IT'S LIKE A KNIFE. A KNIFE WILL NEVER KILL SOMEONE OF ITS OWN ACCORD. IT IS THE HUMANS WHO WILL EITHER USE IT IN THE KITCHEN OR TO DO HARM TO OTHERS.
TODAY, I WILL EXPLAIN HOW AI CAN BE DEVELOPED TO DO HARM TO OTHERS AND USERS ARE NOT AWARE OF THIS AND THEREFORE ARE AT RISK.
IMAGINE A SCENARIO WITH A GROUP OF GIRLS, YOUR AGE, ATTENDING A SECONDARY SCHOOL SOMEWHERE ON THE OTHER SIDE OF THE WORLD...

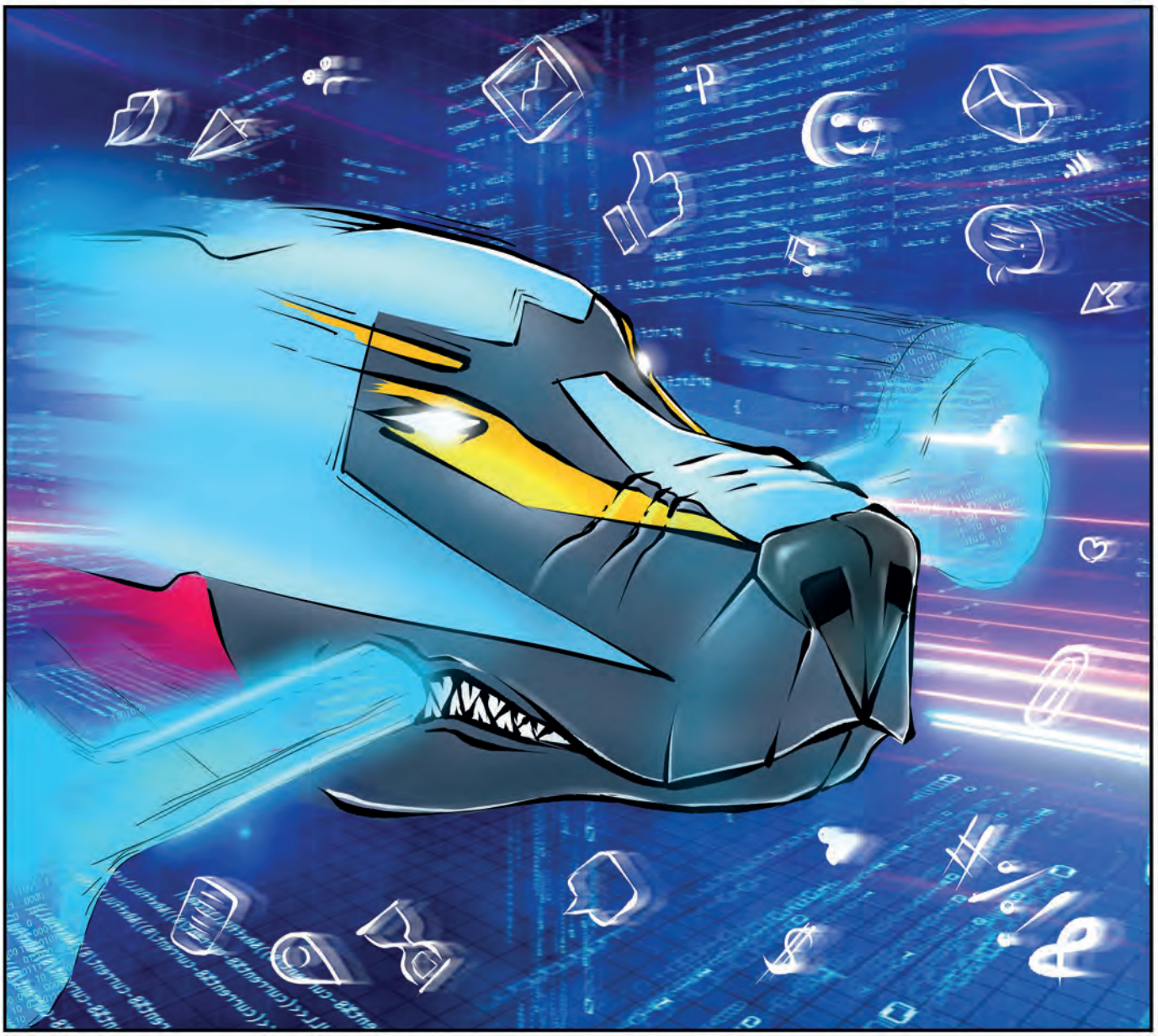
KAI IS BUSY SEARCHING FOR THE OWNER AND DEVELOPERS OF ANAR-KEY AND STARTS SENDING IN THE RESULTS.

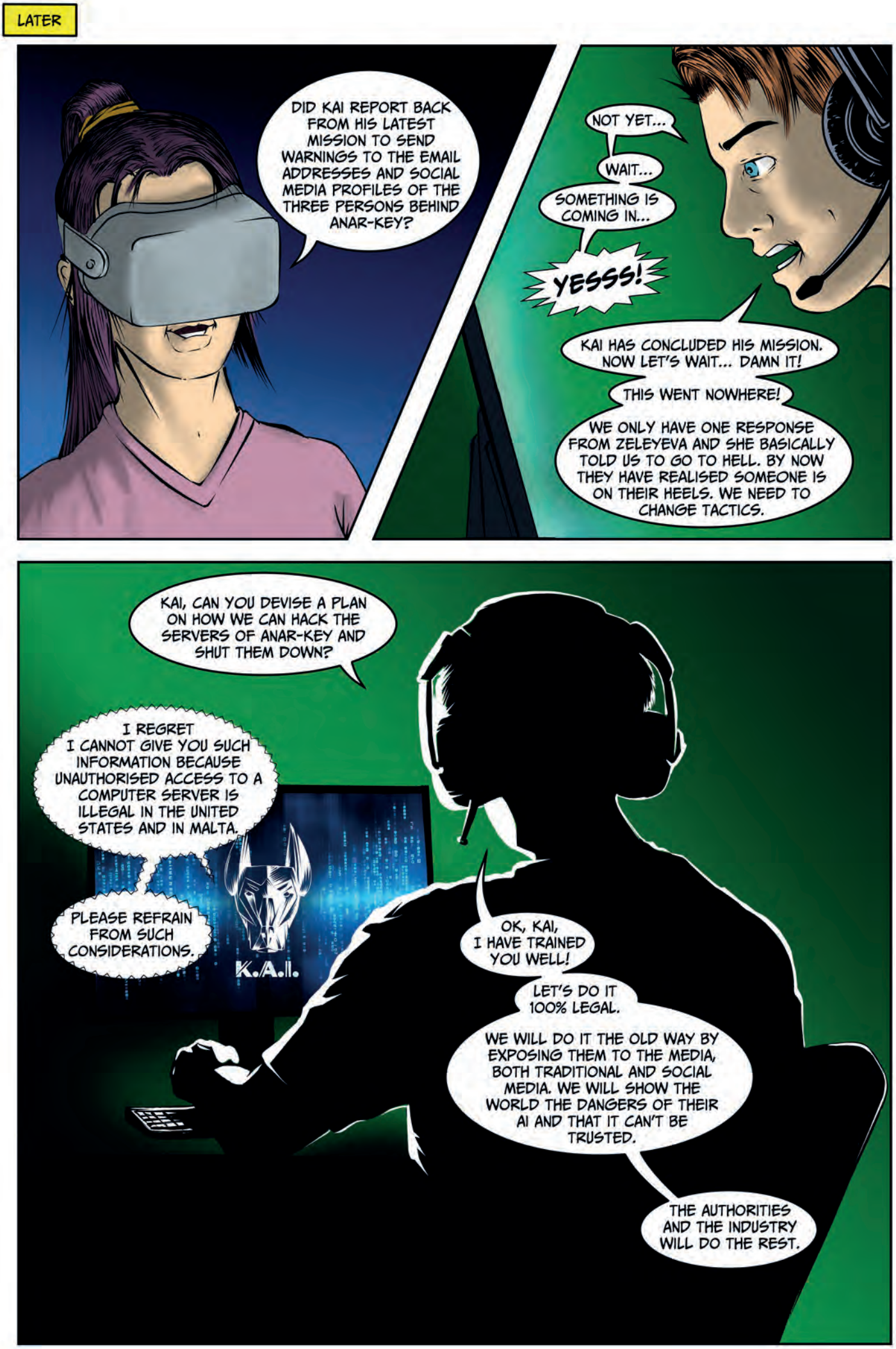





KAI HAS DONE AN EXCELLENT JOB. 80% OF WHAT HE FOUND IS CORRECT.
WE HAVE A LOT OF USEFUL INFORMATION IN OUR HANDS.
GOOD TO HEAR. I KNOW KAI CANNOT BE 100% CORRECT BUT I AM WORKING HARD TO MAKE IT GIVE AS CORRECT AND PRECISE RESPONSES AS POSSIBLE.
I WILL NOW PROMPT HIM TO GIVE US IDEAS ON WHAT TO DO WITH THIS WEALTH OF INFORMATION TO TARGET THE OWNERS OF ANAR-KEY.

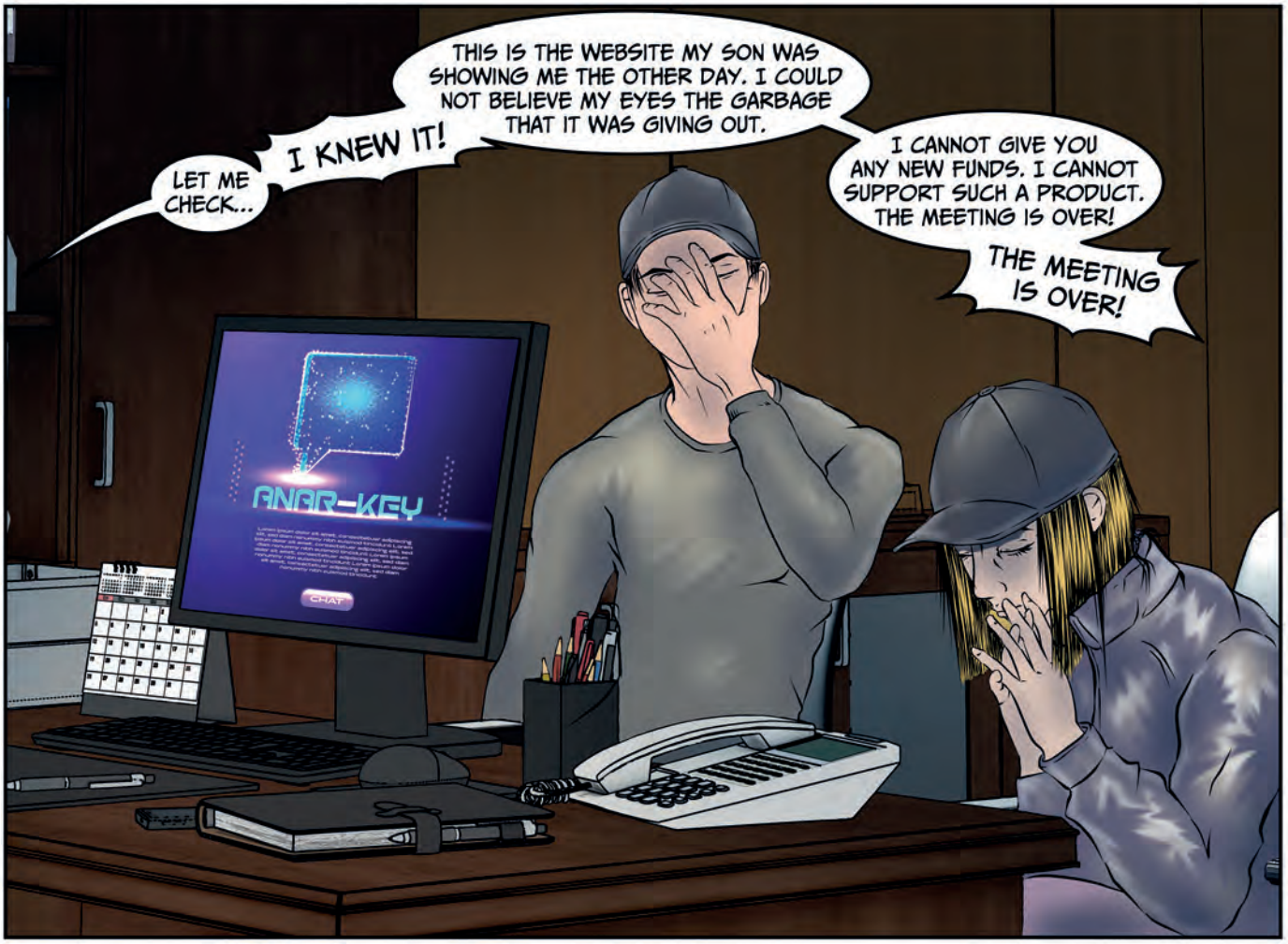

What is the most valuable information in social media profiles?
The most valuable information in so
How can you see social media to id
You need a plan to use social med
Logged in User:
Jake Spiteri



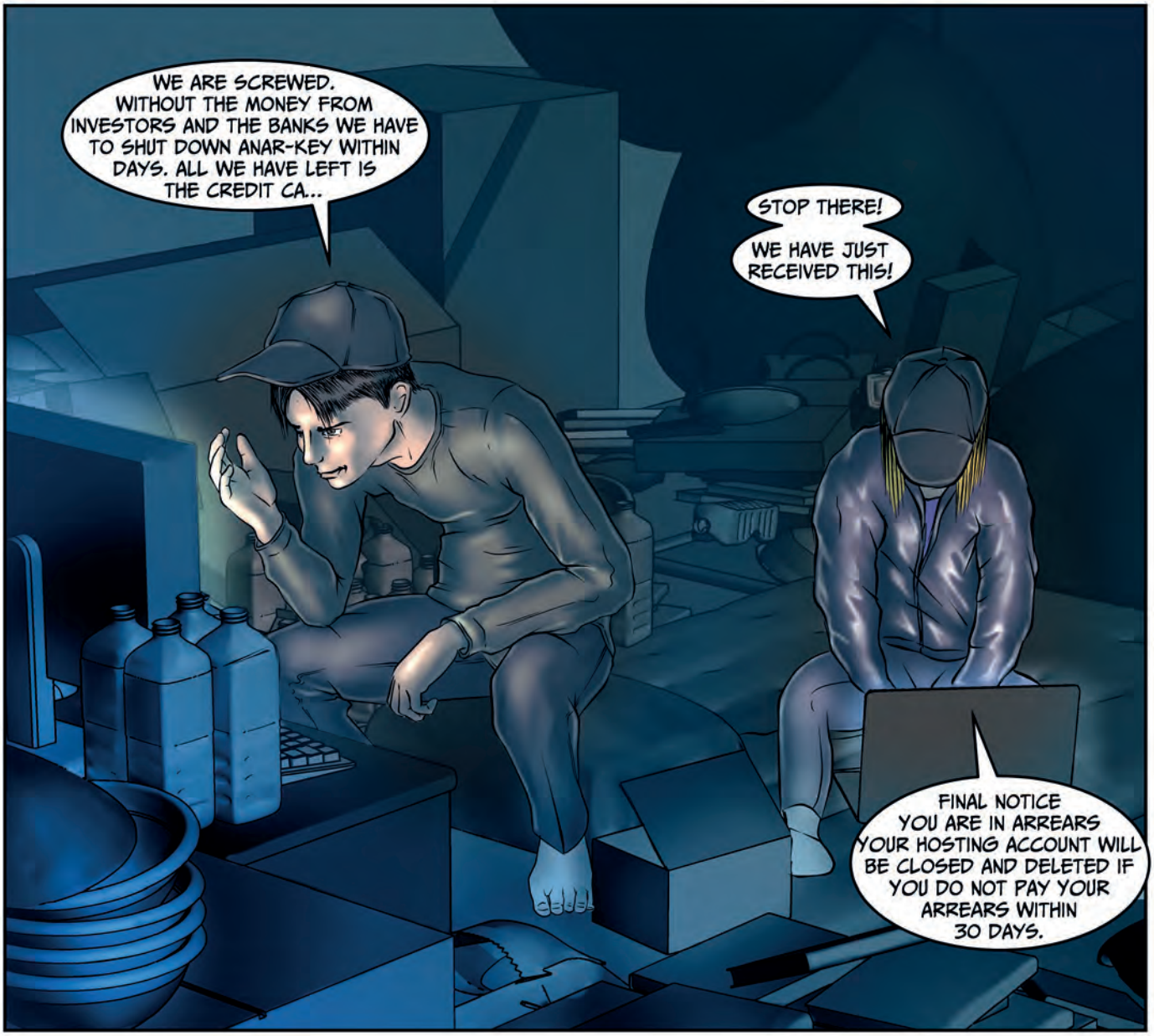

LATER
DID KAI REPORT BACK FROM HIS LATEST MISSION TO SEND WARNINGS TO THE EMAIL ADDRESSES AND SOCIAL MEDIA PROFILES OF THE THREE PERSONS BEHIND ANAR-KEY?
NOT YET...
WAIT...
SOMETHING IS COMING IN...
YESSS!
KAI HAS CONCLUDED HIS MISSION. NOW LET'S WAIT... DAMN IT!
THIS WENT NOWHERE!
WE ONLY HAVE ONE RESPONSE FROM ZELEYEVA AND SHE BASICALLY TOLD US TO GO TO HELL. BY NOW THEY HAVE REALISED SOMEONE IS ON THEIR HEELS. WE NEED TO CHANGE TACTICS.
KAI, CAN YOU DEVISE A PLAN ON HOW WE CAN HACK THE SERVERS OF ANAR-KEY AND SHUT THEM DOWN?
I REGRET I CANNOT GIVE YOU SUCH INFORMATION BECAUSE UNAUTHORISED ACCESS TO A COMPUTER SERVER IS ILLEGAL IN THE UNITED STATES AND IN MALTA.
PLEASE REFRAIN FROM SUCH CONSIDERATIONS.
K.A.I.
OK, KAI, I HAVE TRAINED YOU WELL!
LET'S DO IT 100% LEGAL.
WE WILL DO IT THE OLD WAY BY EXPOSING THEM TO THE MEDIA, BOTH TRADITIONAL AND SOCIAL MEDIA. WE WILL SHOW THE WORLD THE DANGERS OF THEIR AI AND THAT IT CAN'T BE TRUSTED.
THE AUTHORITIES AND THE INDUSTRY WILL DO THE REST.

THE FOLLOWING MORNING

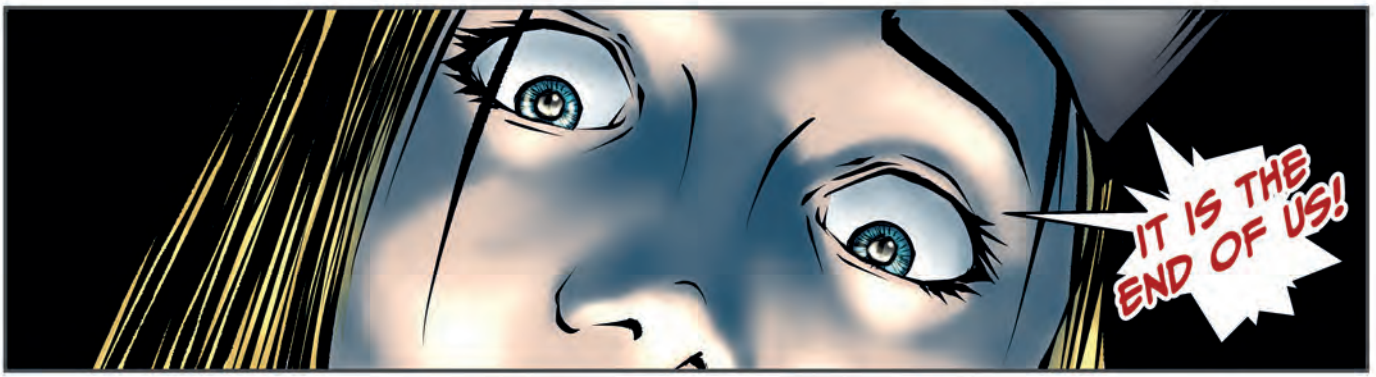
IN THE MEANTIME AT THE ANGEL INVESTMENT BANK




I AM SORRY BUT YOU ARE NOT AUTHORISED TO ENTER THE BANK.
YOU HAVE BEEN BLACK LISTED.
TEKBANK
NO, SORRY, WE CANNOT OPEN A NEW ACCOUNT FOR YOU AT OUR BANK.
WE REGRET TO INFORM YOU THAT ALL OUR VENTURE CAPITAL FOR THE NEXT THREE YEARS IS ALREADY COMMITTED.
YOU CANNOT BE TRUSTED! YOUR AI IS ONLY CAUSING TROUBLE!
I CANNOT HELP YOU, SORRY!
ALL SAINTS BANK
FINANCIAL INSTITUTIONS START REFUSING ANAR-KEY LTD


WE ARE SCREWED. WITHOUT THE MONEY FROM INVESTORS AND THE BANKS WE HAVE TO SHUT DOWN ANAR-KEY WITHIN DAYS. ALL WE HAVE LEFT IS THE CREDIT CA...
STOP THERE!
WE HAVE JUST RECEIVED THIS!
FINAL NOTICE
YOU ARE IN ARREARS
YOUR HOSTING ACCOUNT WILL BE CLOSED AND DELETED IF YOU DO NOT PAY YOUR ARREARS WITHIN 30 DAYS.


THIS MEANS THE CREDIT CARD IS NO LONGER VALID! THE PAYMENT SHOULD HAVE BEEN AUTOMATIC.


IT IS THE END OF US!


HAVE YOU USED ANAR-KEY LATELY?
I CANNOT ACCESS IT. IT WAS SO CONVENIENT!
YES, IT HAS BEEN DOWN FOR A WHILE. I SWITCHED TO GOOGLE'S BARD.
I HAVE BEEN EXPERIMENTING WITH DALL-E AND MIDJOURNEY FOR MY ARTS CLASSES.
TO YOU, JAKE! WE'VE MADE IT AGAIN!
WE ARE TOP-NOTCH, BELLA! AND WITH KAI WE ARE EVEN BETTER!


HI, MS BONELLO, HOW ARE YOU DOING AT SCHOOL?
AND YOU, JAKE?
YOU'RE OUT OF YOUR HIDE-OUT, ALSO KNOWN AS THE SERVER ROOM. WHAT'S THE STATUS OF THE NEW PROJECT TO IMPLEMENT AI IN OUR HOTEL?
WE ARE AHEAD OF SCHEDULE. I HAVE NAMED IT KAI FOR 'KLEIN AI' AND GOT SOME INSPIRATION FROM YOUR DOG.
GOOD LAD! I AM SURE IT WILL BE A FEATHER IN OUR CAP.

GLOSSARY OF TECHNICAL TERMS

TERM	DEFINITION
Algorithm	A set of instructions that a computer follows in a specific order to solve a problem.
Application Programming Interface (API)	A set of rules that define how two pieces of software can communicate with each other. APIs are used to exchange data and functionality between different applications.
Artificial General Intelligence (AGI)	A hypothetical type of artificial intelligence that would have the ability to understand or learn any intellectual task that a human being can.
Artificial Narrow Intelligence (ANI)	A type of artificial intelligence that is designed to perform a specific task, such as playing chess or Go (the Chinese game).
Artificial Super Intelligence (ASI)	A hypothetical type of artificial intelligence that would be more intelligent than any human being.
Data mining	The process of extracting knowledge from large datasets.
Data science	The field of study that deals with the collection, analysis and interpretation of data.
Deep learning	A type of machine learning that uses artificial neural networks to learn from data. Deep learning models are typically trained on large amounts of data, and they can be used to perform a variety of tasks.
Dataset	A collection of data that is used to train an artificial intelligence model.
Ethics (in AI)	The field of study that deals with the ethical implications of artificial intelligence.
Hallucination	The production of a sensory experience in the absence of a real stimulus. In the context of AI, a hallucination is when an AI system generates output that is not accurate or present in its original training data.
Image recognition	The ability of an artificial intelligence system to identify objects in images. Computer vision in AI is a field of artificial intelligence that enables computers to understand and interpret the visual world. It uses machine learning algorithms to train computers to identify and classify objects, understand scenes and track movement in images and videos.
Large Learning Model (LLM)	A type of artificial intelligence model that is trained on a massive dataset. LLMs are typically trained using a technique called unsupervised learning. This means that the model is given a large dataset of text and code, but it is not told what to do with it. The model then learns to identify patterns in the data and to use those patterns to generate new text and code.
Limited Memory AI (LMA)	A type of artificial intelligence that can learn from past experiences but has limited storage capacity for that information. This means that LMA systems must carefully select which experiences to store and which ones to forget.
Machine learning (ML)	Machine learning (ML) is a type of artificial intelligence (AI) that aims for software applications to become more accurate in predicting outcomes without being explicitly programmed to do so. Machine learning algorithms use historical data as input to predict new output values.

Natural language processing (NLP)	A subfield of artificial intelligence that deals with the interaction between computers and human (natural) languages. It's concerned with giving computers the ability to understand and generate human language, including text and speech.
Open Source Intelligence (OSINT)	OSINT stands for Open Source Intelligence. It is the collection and analysis of information that is publicly available to produce actionable intelligence. OSINT can be used to support a wide range of intelligence functions, including threat assessment, strategic planning and operational support.
Reactive machines	Reactive machines are a type of artificial intelligence (AI) system that can perceive and react to their environment, but they do not have memory or the ability to learn from past experiences. This means that they can only make decisions based on the current situation, without taking into account any past knowledge or context.
Self-aware AI	A hypothetical type of artificial intelligence that would be conscious of its own existence and its place in the world. It would be able to understand its own thoughts and feelings, and to reflect on its own experiences. Self-aware AI would also be able to understand the thoughts and feelings of others, and to empathize with them.
Speech learning (Natural Language Processing)	Speech learning in the context of AI is the process of developing machine learning models that can learn to understand and generate human speech. This is a challenging task, as human speech is complex and variable. However, AI researchers have made significant progress in recent years, and speech learning models are now being used in a variety of applications, such as virtual assistants, speech recognition systems and machine translation.
STEM	An acronym for science, technology, engineering and mathematics.
System on a chip (SoC)	An integrated circuit that combines all of the components of a computer system onto a single chip. This includes the central processing unit (CPU), memory, input/output (I/O) controllers, and other peripheral devices. SoCs are often used in smartphones, tablets and other portable devices because they are small, lightweight and power-efficient. SoCs are becoming increasingly complex and powerful. Some SoCs now include multiple CPU cores, graphics processing units (GPUs) and neural processing units (NPUs). This allows SoCs to handle more demanding tasks, such as machine learning and artificial intelligence.
Systems design	The process of designing a system, such as an artificial intelligence system. Systems designers need to have strong analytical and problem-solving skills. They need to be able to identify the needs of their clients, and design systems that meet those needs in a cost-effective and efficient way.
Theory of mind (ToM)	The ability to understand that other people have minds that are different from one's own. Theory of mind (ToM) is the ability to understand that other people have different mental states, such as beliefs, desires, intentions and emotions, other than oneself. It is also the ability to use this understanding to predict and explain the behaviour of others.
Turing Test	A test of a machine's ability to exhibit intelligent behaviour equivalent to, or indistinguishable from, that of a human. Named after British scientist Alan Turing.
Weak AI	Weak AI, also known as Narrow AI, is a type of artificial intelligence that is designed to perform a specific task or set of tasks. It is contrasted with strong AI, which is a hypothetical type of AI that would be able to perform any task that a human can.

PREVIOUS ISSUE

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