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EXPLORATORY RESEARCH

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WHAT IS AI?

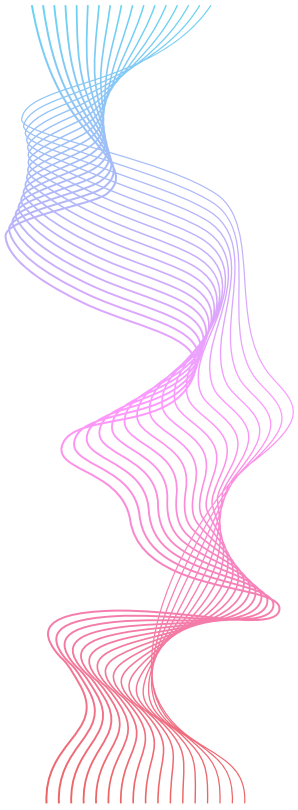
Artificial Intelligence (AI) represents a transformative leap in technology, designed to enhance the functionality of computers and digital systems to simplify and improve various aspects of daily life. AI enables devices and applications to perform tasks more efficiently and intuitively, making interactions with technology smoother and more effective.

It has increasingly integrated into numerous tools and applications, advancing their ability to understand and process information with greater clarity and simplicity.

For individuals and businesses alike, AI serves as a powerful enhancer, streamlining communication, task management, and the development of ideas and concepts. By improving the coherence and efficiency of these processes, AI helps users achieve their goals more effectively.



The scope of AI is broad and continually evolving, as it learns from human interactions and adapts to changing needs based off machine learning. Through machine learning and data analysis, AI systems can recognize patterns and make informed decisions, which aids in refining tasks, projects, and business operations. This adaptability ensures that AI remains relevant and beneficial in addressing the complexities of modern life.



AI draws from a diverse range of disciplines, including computer science, data analytics, statistics, hardware and software engineering, linguistics, neuroscience, and even philosophy and psychology. This multidisciplinary approach allows AI to leverage insights from various fields to enhance its capabilities.

At its core, AI relies on data. It learns and improves by analyzing vast amounts of information gathered from user interactions with devices.
By identifying patterns and relationships in this data, AI systems can provide more accurate predictions and recommendations, often uncovering insights that might elude human analysis.

In summary, AI is an evolving field dedicated to making everyday tasks and interactions more efficient and intuitive. Its ability to learn from data and adapt to user needs makes it a crucial tool for both personal and professional applications, ultimately contributing to a more seamless and effective digital experience.

WHAT IS APPLE AI?

Apple's new AI, currently in beta, is set to **revolutionize the way we interact with Apple products**, including the latest iPhones, Apple Watches, iPads, and MacBooks equipped with the newest M1 chip. This advanced AI will bring a suite of innovative features designed to enhance productivity and streamline communication across all compatible devices.

Writing Tools

One of the standout features of Apple's new AI is its advanced writing tools. These tools promise to significantly boost writing capabilities by refining messaging, essays, and research work.

- The AI will improve the tone and clarity of your communications, making it easier for your audience to grasp complex concepts and ideas.
- By enhancing the way you convey information digitally, this AI aims to facilitate clearer and more effective exchanges between individuals.

Streamlined Workflow

Additionally, Apple's AI will streamline your workflow with tools designed to save time and reduce distractions.

- It will offer the ability to quickly summarize long lectures or extensive group chat threads, helping you focus on the essential content.
- Prioritized notifications will also minimize interruptions, ensuring that you stay on top of important tasks without being overwhelmed by unnecessary alerts.

Auto Correct

The AI's auto-correction feature will further refine your text, tailoring it to suit the intended recipient—whether it's a friend or a work colleague.

- It will integrate seamlessly with third-party apps, offering a fascinating new way to enhance communication through both text and interactive elements.
- You'll be able to privatize notifications and get concise summaries of emails, allowing you to grasp key points without diving into lengthy messages.

Visual Creativity

In addition to text-based improvements, Apple's AI introduces exciting features for visual creativity.

- Using the Image Playground, you'll be able to generate new images from your ideas, enhancing or transforming them into reality.
- This feature includes the use of original images and personalized Genmoji, which are custom-created to reflect your unique preferences.
- For users with Apple Pencil or similar tools, this AI will be particularly beneficial in visualizing and refining concepts.

Memory Movies

The AI will also help you craft personalized memory movies in Photos by selecting the best photos and videos based on your descriptions.

- This feature allows you to relive and share your memories in a new, creative way.

Siri

Siri, Apple's virtual assistant, is getting a major upgrade with the new AI.

- It will become more intuitive and personalized, understanding your daily routines and preferences to offer more relevant assistance.
- Siri will also break down language barriers, making it accessible to a more diverse user base.
- The upgraded Siri will adapt to your habits and interests, providing tailored suggestions and support.

Privacy and Securitiy

Finally, Apple AI will enhance privacy and security, managing complex requests while safeguarding your information.

- The integration of advanced features like the renowned ChatGPT into Siri and other writing tools will further improve functionality, making it easier than ever to navigate and enhance your digital experience.



Overall, Apple's new AI promises to be a powerful tool, combining sophisticated writing enhancements, creative visual capabilities, and advanced personal assistance, all while prioritizing user privacy and security.

INSPIRATION

As college students, managing tight budgets and busy schedules often makes it difficult to prepare nutritious and varied meals. Our goal is to simplify this process and enhance our food shopping experiences by utilizing advanced AI tools.

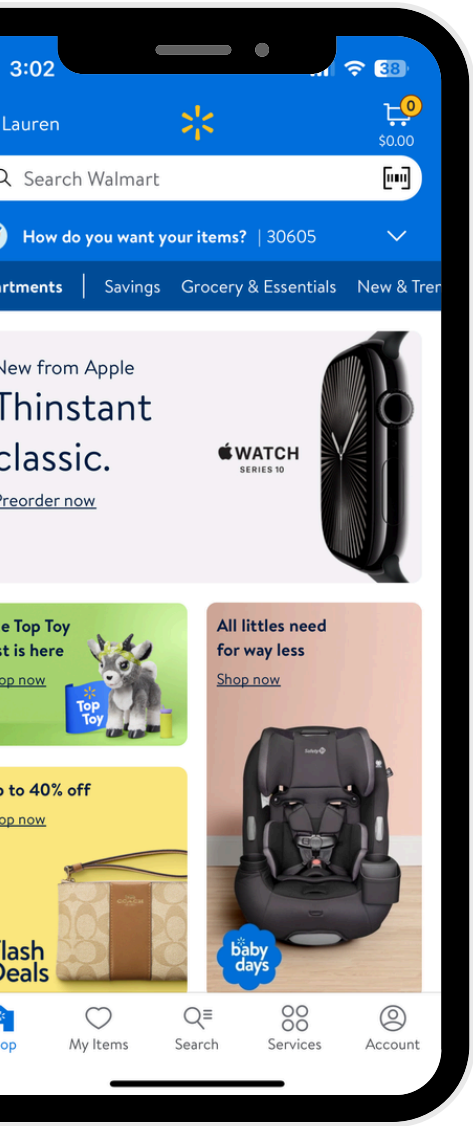
We aim to make meal planning and grocery shopping more efficient and affordable by leveraging AI to transform how we handle our shopping habits and grocery needs. By optimizing our approach, we hope to help students make the most of their limited resources.

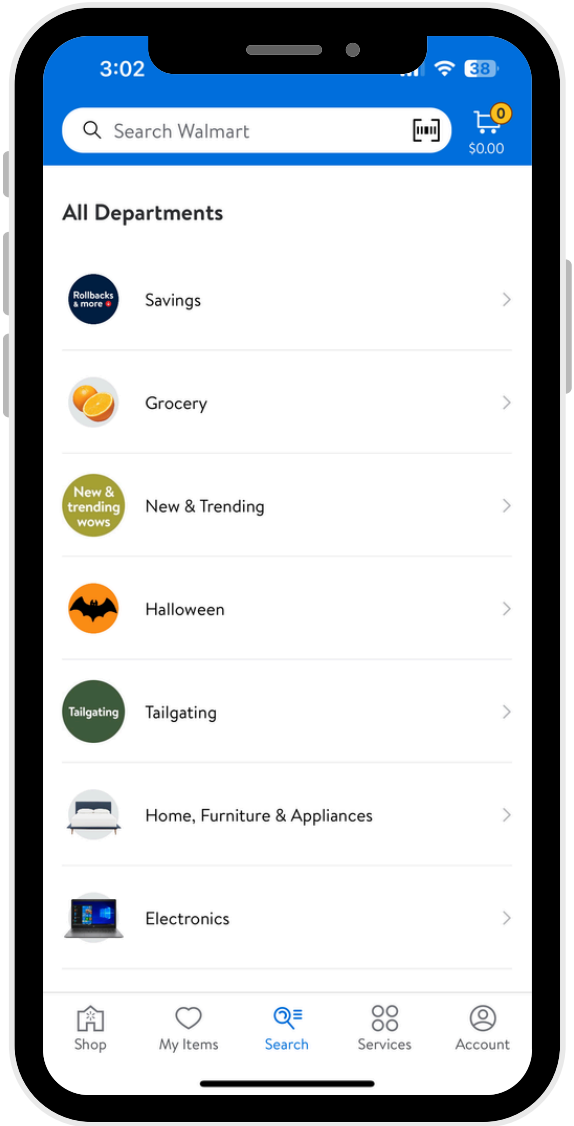
Our objectives include:

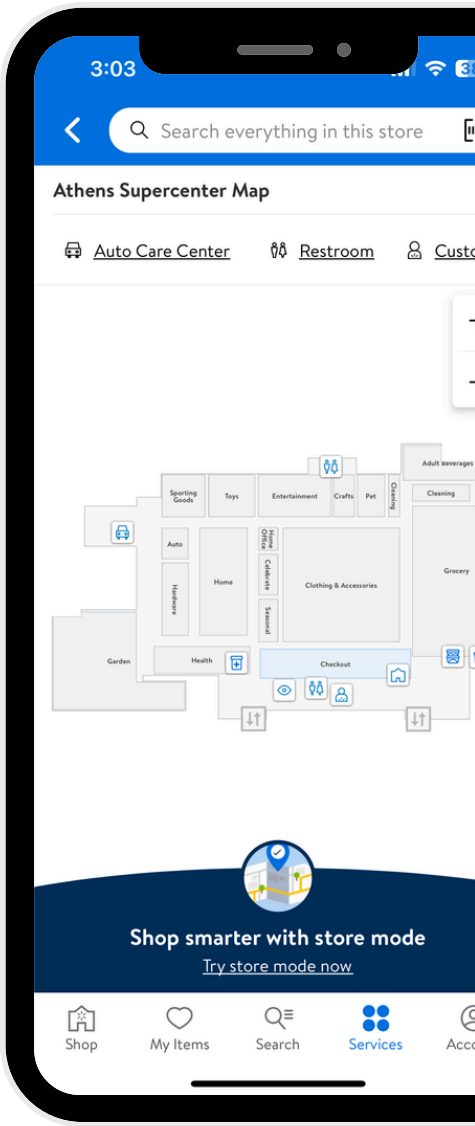
- Streamlining grocery lists through AI-generated recommendations for cost-efficient products.
- To enhance shopping efficiency, Siri will identify Walmart's in-stock items and recommend the most efficient route through the store.
- Additionally, AI will help budget smarter by suggesting products within your price range based on your previous shopping history.

App Inspiration
The Walmart App already has a grocery list and store map features. We plan to build on top of the existing app to integrate Apple Intelligence.

We will also be taking inspiration from other grocery apps, including Publix, Kroger, and Target







Apple Intelligence Inspiration
As more information continually comes out about Apple Intelligence, we will keep up with new features and how they are applied.

We will use Apple Intelligence news to guide our decisions for UX/UI layout, and how we apply Apple Intelligence to our app.



Apple has already made some Apple Intelligence features available in Beta. We will take inspiration from Apple Intelligence in apps including Notes, Messages, and Photos.

SOURCES

https://cloud.google.com/learn/what-is-artificial-intelligence

https://www.apple.com/apple-intelligence/?&cid=wwa-us-kwgo-features-slid--AICategory-AppleIntellligence-aicategory-&mtid=20925e1t39169&aosid=p238&mnid=s4mfMPnas-dc_mtid_20925e1t39169_pcrid_702087801830_pgrid_168674640412_pntwk_g_pchan__pexid__

