

A

Seminar report

On

iPad

Submitted in partial fulfillment of the requirement for the award of degree
of Computer Science

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Preface

I have made this report file on the topic **iPad** ,I have tried my best to elucidate all the relevant detail to the topic to be included in the report. While in the beginning I have tried to give a general view about this topic.

My efforts and wholehearted co-corporation of each and everyone has ended on a successful note. I express my sincere gratitude towho assisting me throughout the prepration of this topic. I thank him for providing me the reinforcement, confidence and most importantly the track for the topic whenever I needed it.

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Introduction to iPad

There has been a lot of marketing and journalistic hype about the iPad. It's "magical" according to some. To others, it's "just a big iPhone." What is it? Does the truth lie somewhere in the middle? Or is it truly a revolutionary device? And, do most users need an iPad?

What is the iPad?

The Apple iPad is a 10-inch tablet computer that runs iOS, the same operating system that iPhone runs on. So, in one sense of the word, the iPad *is* a big iPhone. However, this is not necessarily a pejorative. The iPhone is one of the most popular smartphones available, and its user interface has been widely praised.

So, for an iPad to be "a big iPhone" isn't necessarily a bad thing. An iPhone with more screen real estate makes for different modes of interacting with the device than even an iPhone, let alone other forms of computer.

The iPad only runs apps from the Apple App Store. There are hundreds of thousands of these applications available, from dictionary apps to music-making apps, writing apps to reading apps. If you can imagine it, it is probably on the iPad.

The iPad can store music, videos, and applications on the SSD memory that comes with it (16 GB, 32 GB, or 64 GB). You can also get Internet on-the-go just as you can with an iPhone through optional 3G service (note that the 3G iPad costs \$130 more than the regular WiFi-only iPad).

Who Needs an iPad?

In truth, no one actually needs an iPad. However, this is true of just about any consumer electronic. The iPad, like any other gadget, is not a necessity. However, it can certainly increase the quality of life for some users. So, a more apt question might be: who would get enjoyment and use out of the iPad?

If you find yourself reading a lot of articles online or watching videos on your computer late at night, it may be worth considering an iPad. The iPad is great for passive computing tasks, such as taking in information, watching TV, or

If you want an ultra-portable computer, the iPad might be right for you. While it does not have a tactile keyboard, typing on the iPad (particularly thanks to autocorrect) is surprisingly easy.

Since the iPad costs \$500, it can be a very affordable alternative to a cheap laptop that you travel with. Again, it is not a suitable alternative to a full-fledged computer, but as a travel computer or

netbook alternative, it is incredibly useful.

iPad Competitors

As of June 2011, there are no credible iPad competitors. Some, such as the Motorola Xoom, try hard, but don't come close to the cohesive experience of the iPad. As a result, we cannot recommend the Galaxy Tab, HP TouchPad, or the Xoom at this point. Hopefully, by the Christmas season, there will be a slew of new iPad competitors giving Apple a run for its money. After all, consumer choice is a very good thing for end-users, creating a Google Voice

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History of the iPad

What is an IPAD?

A: The IPAD, also known as the Internet Protocol Adapter, is a device based on the IPAD-OS which is a very specialized embedded operating system created by Philip L. Becker back in 1993. The specialized nature of the operating system allows it to be absolutely secure and very efficient with minimal hardware resources.

This is similar, in concept, to the IOS used on most Cisco equipment in that it is first and foremost a high performance router. Other functions may be enabled in the IPAD-OS allowing it to be an intelligent firewall, Internet server (email, web, ftp, etc.) and terminal (modem) connectivity device as needed.

Q: Where did the IPAD start?

A: The IPAD project started in 1993 when Phil Becker saw that the Internet (which first opened to commercial traffic in 1991) was fast becoming a game that only large corporations were allowed to join. His vision was a simple device with easy configurations that allowed an average person to not only connect to the Internet, but have the same power and ability the much larger corporations enjoyed.

In August 1993 the first Becker Box was demonstrated at the ONE BBSCON (later to become ONE ISPCON) and the reaction was very positive and enthusiastic. It took two more years of dedicated development and field testing to fully realize the IPAD as a commercial product. The first units shipped late in 1995 and allowed small ISP businesses to appear almost overnight.

Q: What is the difference between the IPAD models?

A: The original 1995 eSoft IPAD was based on an Intel 486 chip housed in a mini-tower chassis and had no model number identifier. Later a rack mount Pentium version was introduced that was labeled Model 5000.

To differentiate the two models, the original mini-tower was given a verbal Model 4500 designation by the eSoft sales force even though this was never an official model number. These two platforms ran exactly the same operating system software and are identical in every way except physical case.

The software was designed to be very flexible with an almost infinite combination of interface and control options. The system was free-form in that it could be totally tailored to the needs of

each unique user. A maximum combination of 5 packet interfaces (Ethernet, Token Ring, etc.) and up to 96 serial ports (with optional line count expansion) are supported on each Model 5000.

The Model 2500, introduced in 1997, was created on a slim-line Pentium platform with a list of pre-configured hardware interfaces and limited configuration options. It was designed and targeted towards customers one level below the ISP which either lacked the technical ability or human resources to build and maintain traditional Internet connectivity solutions.

One of the big features of this model was the self-healing subsystem which would detect and repair missing or corrupted system files. A maximum of 3 packet interfaces (Ethernet, Token Ring, etc.) and up to 8 serial ports are supported on each model 2500.

The last official eSoft IPAD model to be added was the 1200 in 1998. This was created to target customers which could not justify the price point of the model 2500. The major difference is the interfaces choices.

A maximum of two packet interfaces (Ethernet only) and two serial interfaces are supported. Token Ring is not supported on the model 1200.

The Best iPad Uses

1. **Surf on the Couch.** Let's start with the most obvious use for the iPad. Have you ever been watching TV and wondered where you'd seen a particular actor before? Having IMDB, Wikipedia and the rest of the web at your fingertips from the comfort of your couch can be a wonderful thing.
2. **Mobile Gaming.** The iPad was already a great gaming machine, with the ability to use the gyroscope and accelerometer to take portable gaming to a whole new level. The iPad 2 added to this with the ability to play augmented reality games, which makes gaming a great use for the iPad. And with the iPad 3's Retina Display, the graphics can even compete with console games. *The Best Action/Arcade Games for the iPad*
3. **eReader.** The ability to read eBooks from Apple's iBooks, Amazon's Kindle and Barnes and Noble's Nook certainly makes the iPad one of the most versatile eReaders on the market. But don't forget the great newspaper and magazine content, like The Daily from News Corp., which is hoping to redefine the daily newspaper for the digital age.
4. **Recipe Book.** The size and portability of the iPad makes it great for any room in the house, including the kitchen. There are tons of great cooking apps, such as recipes from Epicurious and Whole Foods Market. You can even manage your gluten sensitivity with apps like Is That Gluten Free?
5. **Photo Album.** It's one thing to carry around a bunch of photos on your iPhone, it is a totally different thing when you can display them on a 9.7" screen. You can easily store thousands of photographs on the lowest end iPad, and even display them as a slideshow. *How much memory does your iPad need?*

Types of iPad

Wi-Fi and Wi-Fi + Cellular iPads

Three sizes of iPads connect to the Internet through a Wi-Fi-only connection. Three sizes of iPads connect to the Internet through a Wi-Fi connection but can also connect through a cellular connection. Connecting to the Internet through a cellular connection requires service from a cellular provider and a monthly fee to that provider when the service is activated. The Wi-Fi + Cellular iPads are more expensive than the Wi-Fi-only iPads.

iPad Memory Sizes

Apple offered the first three generations of iPad in three different memory capacities – 16GB, 32GB and 64GB. The memory in the iPad stores your media, such as documents, music, photos, movie and apps. If you use your iPad solely for work, you might get by with a lower-capacity iPad because business uses such as accessing corporate networks, checking email and working on documents requires little storage. On the other hand, if you plan to use your iPad as a portable multimedia device and load it up with music, movies and games, purchase a larger model. Multimedia content and many complicated games require much more storage space than books or documents.

The New iPad

Apple's most current incarnation of the device -- named the New iPad -- is the third generation of the product and was released in March 2012. It features a dual-core processing chip with a quad-core graphics processor. Unlike previous iPad devices, it features an extremely high-resolution screen. The Retina display has a 2048-by-1536-pixel resolution.

iPad 2

Currently, Apple still sells a 16GB version of the previous-generation iPad, the iPad 2. It supports slower 3G connections, and its display features a 1024-by-768-pixel resolution. It carries the lowest price of any iPad. If you do not plan to store many movies or do advanced gaming on your iPad, the iPad 2 is an excellent option thanks to its speedy dual-core processor and more-than-adequate display.

Advantages

1. Smooth, thin, nice black and silver design.
2. Excellent e-book and journal reading device.
3. Be able to run all the programs of iPhone.
4. With a large and bright 9.7-inch display screen, it takes up most of the face.
5. If you just wanna surf the Internet, take notes, SNS, send and receive E-Mail, visit the journal books, watching videos, iPad is fit for you.
6. With super fast speed, sensitive response and the application is easy to handle.
7. iPad is lighter and thinner than any other notebooks.
8. Battery life and strong. In the uninterrupted video playback tests, iPad last 11 hours 28 minutes, and during this period still open Wi-Fi and back-office e-mail downloads.
9. With fast and prospective entering.
10. The Safari is very good.
11. It is your best choice to watch video, view photos, listen to music, play games, with satisfying and fun.
12. In general, the same process iPad version is better than the iPhone version, but the price is also more expensive. However, there is a free program.
13. The photo program is much more attractive, like a Mac-class software. It can serve as a digital photo frame.
14. iPad is the best newspaper reader.
15. iBook is better than Kindle and it will not hurt eyes.
16. iBook with a text search function.
17. The expansion of the screen make the map function is much more real.
18. No binding contracts, there is a data service entrance for setting a subscription.

Disadvantages

1. Essentially, iPad is an enlarged version of iPod touch.
2. No camera, No USB port, No multi-task, No Flash.
3. Without headphones.
4. It is inconvenient to edit long documents.
5. The Battery can not be replaced.
6. The memory capacity can not be upgraded.
7. Untenable.
8. iWork has something wrong with exporting office documents.
9. iPad is heavy than kindle.
10. Most people need use both hands to grasp the iPad.
11. iBook can not take notes. 6 million books in the store is less than the Amazon.
12. E-mail program can not create a local folder, you can not rearrange the email with certain rules.
13. The mail does not support the Group feature.
14. Safari without any label.
15. Wi-Fi version is containing GPS.
16. It is not suitable for playing widescreen video.
17. With the iPad on hand, you will feel it is heavy soon.
18. You can not read the books bought from iBook in other equipment, even the Mac and iPhone.
19. It is difficult to read under the sunlight.
20. It is inconvenient to type under normal typing position.
21. Many iPhone programs will appear blind spots on the screen.
22. You can not watch the video with Skype.
23. iPad is not a laptop, it is not fit for content creation.
24. iPad is suitable for consumption content - reading, listening to songs, watch video, Internet, email and so on.
25. You have to put into the embrace of iTunes.

The future of the iPad

Now that the iPad line has split into two families, the Mini and the Retina, it might make you wonder where the iPad, as a product, is heading. I've wondered it, too, even going back to the days before the Mini. The third-gen Retina Display iPad was such a complete product that it made me curious: where could iPads go next?

As the days go on since reviewing the iPad Mini, I look back and forth between both the "large iPad" and the Mini. I carry both around (I don't normally travel with two iPads -- they're review samples, I own a third-gen).

I use them around my home and outside. They're awfully similar in experience, different in size and speed. But I think there's something else going on. I think iPads, to some degree, are entering a transition.



(Credit: CNET)

The iPad Mini = the evolution of the iPad as we know it

The 9.7-inch "large iPad" has looked pretty similar over its first four generations. Even from iPad to iPad 2, the biggest design leap, things looked pretty much the same. The iPad Mini is the

single biggest design shift: thinned bezels, a more iPhone/iPod-like design, and a far more portable feel.

If the Mini is the shrunken iPad 2, then next year's Mini could be the new iPad 3, or 4. Next year, I expect it will get a few extra features (Retina Display) and will become a truly perfect device for e-reading, media viewing, gaming, and apps. It's the most affordable and the most portable iPad, thus it'll be the one many people will flock to.

Large iPad: Vanguard of new tech, MacBook Air apparent

I currently recommend the fourth-gen iPad over the Mini as the best-in-class iPad for its performance and its wonderful display, but the gap between it and the Mini is smaller than you'd think.

The iPod and iPod Mini had a difference, and it was storage capacity. Currently, the large and small iPads are different mainly in processor and screen quality. Those are important aspects, but ones that not every user will care about or appreciate (in the laptop landscape, it's like the difference between ultrabooks and Netbooks).

We can pick obvious ideas for the next iPad, like a quad-core processor and increased storage. Beyond that, I'm not sure what comes next...except for the iPad to make another leap into being a laptop-alternative mobile computer.

What about using the large iPad as the place where iOS and Mac OS X meet? I've wondered about this junction for years, and while iOS and OS X have gotten closer in many ways, I think the time will come where the iPad can take another big step.

Let's face it: the iPad's already made many of those steps, spiritually. I use a keyboard with mine regularly. Many people blog from them or use them as redefined PCs.

Conclusion:

To sum it all up, there are many ways to show that the iPod has had a huge impact on the world, and even though it hasn't been around too long, it already has a large history behind it. It has impacted the lives of musicians, those who enjoy music, and those who are looking for a new way in music.

It has also made a huge transition from compact discs, and MP3 players. It has changed the music industry by providing a new and improved way to listen to music. It is a very popular electronic that most people around the world have, or at least know about.

Not only can you listen to music, but you can get on the internet, play games, download applications, and record as well as watch videos. They can be used in many circumstances, ranging from traveling to school or work, study, exercise, or even just relaxing. The innovation the iPod has on the world is shocking, and still seems to be continuing.

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