

# Privacy on Facebook and Interdependency

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#### **Summary**

### Acknowledgement

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#### Introduction

# Chapter Chapter Related Work

#### 1.1 Online Social Networks

Online social networks (OSNs) -grown -more popular -more complex hundrers of millions active users understanding of user behaviour -user activity increased -http://ieeexplore.ieee.org/stamp/stamp.jsj

"A social networking service is a platform to build social networks or social relations among people who, for example, share interests, activities, backgrounds, or real-life connections." - http://en.wikipedia.org/wiki/Online\_social\_networkTypical\_features

A user is often represented with a profile on OSNs.

Since Facebook was introduced to the public in 2006, it has grown to be the largest online social network (OSN) in the world. OSNs have a peer-to-peer architecture, and therefore makes it easy for members to initiate communication with whom they want, given that they are also connected to the network. OSNs also enables the possibility for people to easily publish and retrieve information about subjects of interest [1].

The growth of Facebook has made it necessary to introduce new ways to manage privacy and ensure a secure online environment. When it comes to OSNs the privacy embedded in the program/app etc. is not enough to ensure such an environment, due to the interdependent privacy issues. Your privacy is to a large extent affected by the privacy decision of others.



Figure 1.1: The Facebook Icon

#### 1.2 Interdependent Privacy

#### 1.3 The History of Facebook

When Mark Zuckerberg enrolled at Harvard in 2002, he had decided to major in psychology "I just think people are the most interesting thing—other people," he said. "What it comes down to, for me, is that people want to do what will make them happy, but in order to understand that they really have to understand their world and what is going on around them" [3]. He showed an interrest and passion to connect people together and crate Harvard more open.

It all started in October 2003 when the Harvard sophomore Mark Zuckerberg and three of his classmates created the web page facesmash. Zuckerberg hacked into the administrative database to extract the ID photos of all the students of the different houses. The web page presented two and two photos creating a "hot or not" game for his fellow students. The votes were counted and created a top-ten list of the cutest poeple in each house. Within the first hour facesmash had 450 visitors and 22 000 photo-views. After numerous complaints from professors and fellow students, Harvard administration shut down Zuckerbergs Internet connection after a few days. Harvard charged Zuckerberg for violating individual privacy, violating privacy and breach of security for stealing the photos. Zuckerberg agreed to take the web page down and got away with just a warning.

After facesmash Zuckerburg was known around campus as a programming prodigy. Harvard seniors Tyler and Cameron Winklevoss and Divya Narendra had since 2002 been working on a social networking page - HarvardConnection, where students could create a profile, and though that share some personal information and post pictures and share this with large and small communities that one could be part off. They wanted Zuckerbergs help to finalize their project so that the page could be up and running before they graduated. Zuckerberg agreed to help at the same time as presuing his own projects. Harvard offers a class directory to all freshman's, this directory is also known as the "facebook". This "facebook" contains a picture of all the students, name, date of birth, home town and high school. This so that the freshman's could get to know each other. Harvard's plan was to eventually get this online. Since Harvard had not gotten to it yet, Zuckerburg decided to to the job himself. He wanted to create a page where people signed up and created their own profiles, and in that way could post some personal information about themselves, and have control over what was posted. After ten days of intensive work Zuckerberg almost finished the cite. The cite was kept simple and intuitive, and everybody with a Harvard e-mail address could create a profile. The profile consisted of a profile picture, name and some personal information such as taste in books, music, films and favourite quotes. Users could link to their friend's profiles and by using a "poke" button let others know that you have visited their profile. The facebook went public February 4, 2004, and to get the word spread they sent it out on the Kirkland house mailing list, that contained over 300 students. it did not take long

until the other houses heard and within twenty-four hours close to fifteen hundred people ha registered. "I think it's kind of silly that it would take the university a couple of years to get around to it," he said. "I can do it better than they can, and I can do it in a week." [3].

There was already similar pages out there, like Friendster and myspace.com. Especially on myspace.com people played roles, giving themselves out to be someone else. Teenage girls pretending to be older and grown men giving themselves out to be young girls. There is nowhere to validate that the person really is who they give themselves out to be. This limits to what extent people posts personal information. With Thefacebook.com you have to sign up with a valid Harvard e-mail address, in that way you know that they are actual people, and mostly students. This made it easier to post more personal information like cell-phone number, home address and even sexual orientation. The concern was not about security but more about wasting time, it became and addictive pleasure.

It didn't take long before Mark Zuckerberg began to receive e-mails from other colleges, requesting to get Thefacebook at their schools. The site was easily scalable, the concern rather laid in how to maintain the intimacy and the clubby appeal. When Thefacebook expanded to Colombia, Yale and Stanford, students were only able to search and see people from their respective college. Only with permission from a student from an other college could you add the person to your friend list. This is a key factor to Facebook's success. Zuckerberg wanted people to post personal information and create a more open school community.

In June 2004, when the school year was over, Thefacebook had expanded to over forty schools, with a 150 000 users. with the rapid expansion, the need for investors and more capacity.

Zuckerburg moved his base to California and removed the "the" from the name. Theface-book became just Facebook. Zuckerberg said this in a one of his meetings. "I mean, one way to look at the goal of the site is to increase people's understanding of the world around them, to increase their information supply," he said. "The way you do that best is by having people share as much information as they are comfortable with. The way you make people comfortable is by giving them control over exactly who can see what" [3].

User control became a hot topic i 2006. There had been reported that sex- offenders was using social networks to pick out their victims. MySpace found out that several teenagers had been assaulted by people they meet at the site. Facebook also received some negative mention in the press. Numerous times the campus police had to shut down big parties announced on Facebook. In 2005 a studnet a Fisher college was expelled after posting this comment about the schools police officer "needs to be eliminated" [3]. In general the privacy settings and restrictions that Facebook has have protected the users. They can easily change the setting and decide who can see what.

[6]. [3].

#### 1.4 Amazon Mechanical Turk

# Chapter Default Privacy Settings

#### 2.1 Default Privacy Settings

In this chapter we are going to look into the history of Facebook's privacy settings, and map the development from 2006 until today.

Facebook has evolved from being a networking site for students attending Harvard to becoming a global phenomenon. Facebook's user interface has gone through several changes over the years, which has brought both joy and frustration to the users. When these changes have been made, there has also been adjustments to the default privacy settings as well [2]. At the beginning, in 2005, when Facebook first was applied outside of Harvard University, the users personal information was only accessible to a users Facebook friends and to people connected to the same network on Facebook [4].

The changes to the default privacy settings are emphasized in Table 2.1.

**Table 2.1:** Changes in the default privacy settings on Facebook from 2005 until today. [4, 5]

Year	Default Privacy Settings
2005	Personal information (e.g., name and profile picture) is only visible to specific groups specified in your privacy settings.
2006	The only information displayed in your profile is your school and specified local area.
2007	Name, name of school (network) and profile picture (thumbnail) is available to all Facebook users.
November 2009	Name, profile picture and demographics is available and searchable to the entire Internet. In addition to this, list of friends are visible to all Facebook users.
December 2009	Your name, profile picture, list of friends, pages you are fan of, demographics and likes are available for the entire Internet.
April 2010	The entire Internet can see everything, except wall posts that are limited to friends and photos that are limited to your network.
2011	
2012	
2013	

#### Discussion

#### Conclusion

### References

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