

Computer Science & Technology

7th Semester

Apps Development Project

[Sub Code: 28574

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INTRODUCTION TO APPS

THE WORD APP IS AN ABBREVIATION FOR APPLICATION AN APP IS A PIECE OF SOFTWARE IT CAN RUN WITH OR WITHOUT INTERNET ON YOUR COMPUTER OR ON YOUR PHONE OR ANY OTHER ELECTRONIC DEVICE THE WORD APP IS A MODERN USAGE BUT THIS IS REALLY THE SAME THING AS A SOFTWARE PROGRAM

TYPES OF APPS

Apps can be broadly classified as Desktop apps, Web apps, or Mobile apps



Entanglement Web App



Word Online



Gmail



Gmail Offline



Google Docs



Mobile Website Builder



Outlook.com



Google Drive



Box



FollowMania



YouTube



Daum Equation Editor



Zoho Wiki



Photo Book



PDF to Word Converter...



SnapPages



Sticky Notes



SAPOmobile



DESKTOP APPS

These apps can be used on a desktop or laptop ,they do not need web access and run independently on a computer . the installed app is represented either by an icon on the computer screen or item on the start menu. Examples of desktop application are Spreadsheet, Paint, Microsoft Edge ,etc



WEB APPS

These apps require an internet connection. Web applications require minimum device memory as the application lies on the remote server. These applications can be utilised at whatever point needed from any device through the internet. For example, edge, google, bing, yahoo, duckduckgo, safari



MOBILE APPS

These apps run on a smartphone or tablet. These apps are usually smaller in size as mobile devices have limited memory. Some mobile apps may come preloaded on cell phones or tablets. Keeping in view the device independence feature, software companies nowadays make diverse versions of the application to be used as Desktop apps, Web apps, or Mobile apps. For example facebook, gamers, google maps, media players



Most read

CLASSIFICATION OF MOBILE APPS

WEB APPS NATIVE APPS

keeping the device

known as Native...

NATIVE APPS

Apps that are developed keeping the device specifications in mind are known as Native Apps. Most Native Apps come pre-installed on the new phone, and can also be downloaded from the Play Store or App Store and further installed on the device. These apps have certain limitations. They are designed for a particular and expensive to develop and maintain

HYBRID APPS

Hybrid Apps contain the features of both Web Apps and Native Apps. These apps can be downloaded from the Play Store or App Store and installed on the device. Hybrid apps can be stored partly on the local device and partly on the remote server. Some hybrid apps can be operated offline also by using cached pages, however, they have limited functionality offline. For example Email, Netflix, twitter, Instagram

USES OF COMMON APPS

Apps have become so prevalent today that a suitable one can be found for almost any job .Whether it is for learning entertainment,social interaction ,or even banking and e-commerce,there is an app for every purpose



EDUCATIONAL APPS

With the rapid increase of mobile technology, learning with apps has become fun. There are apps for all levels of learning . Apps not only help us to learn new concepts, but also show us what is being taught in the classroom. Students of all age groups can access a treasure chest of information on any topic .Educational apps are equally useful for both students and teachers . The teacher are able to distribute study material quickly, conduct tests ,and grade the students efficiently by using apps like Google Classroom,byju's,Kahoot, Duolingo, Vedantu, Unacademy, etc



SOCIAL NETWORKING

Social media is a platform where you can post images, videos, and other updates to your profile, which can be shared with anyone .You can connect with anyone across the earth with these apps . There are several types of social networking apps available today. Some of the most popular are:



WHATSAPP

WhatsApp is a free app for iPhones, Android smartphones, Macs and Windows PCs. It allows you to send messages, pictures, videos and even voice recordings, and to make voice and video calls over the internet for free.



TWITTER

Twitter is a social media site, and its primary purpose is to connect people and allow people to share their thoughts with a big audience



FACEBOOK

Facebook is a social networking website where users can post comments, share photographs, and post links to news or other interesting content on the web, chat live, and watch short-form video.



OTHER SOCIAL NETWORKING APPS

Instagram: this app specialises in sharing of photographs by the users

LinkedIn: is a networking app that specialises in the sharing of business and professional information

Reddit: Reddit is an American social news aggregation, web content rating, and discussion website. Registered members submit content to the site such as links, text posts, images, and videos, which are then voted up or down by other members

ENTERTAINMENT APPS

Entertainment apps comprise a wide range of interactive activities from purely leisure apps (music, playing games) to communication apps (social media, streaming media, instant messaging). Users can download entertainment apps are through popular app stores like the Apple App Store, Google Play Store, Amazon App Store. and more



BANKING AND FINANCE

Banking is defined as the business activity of accepting and safeguarding money owned by other individuals and entities, and then lending out this money in order to conduct economic activities such as making profit or simply covering operating expenses. ... Investment banks gear their services toward corporate clients.



Finance is a broad term that describes activities associated with banking, leverage or debt, credit, capital markets, money, and investments. ... Finance also encompasses the oversight, creation, and study of money, banking, credit, investments, assets, and liabilities that make up financial systems.



E-COMMERCE

E-commerce (electronic commerce) is the activity of electronically buying or selling of products on online services or over the Internet. E-commerce draws on technologies such as mobile commerce, electronic funds transfer, supply chain management, Internet marketing, online transaction processing, electronic data interchange (EDI), inventory management systems, and automated data collection systems. E-commerce is in turn driven by the technological advances of the semiconductor industry, and is the largest sector of the electronics industry



DOWNLOADING AND INSTALLING AN APP FROM GOOGLE PLAY STORE

e (electronic commerce)
:ally buying or selling of
as or over the Internet, ...

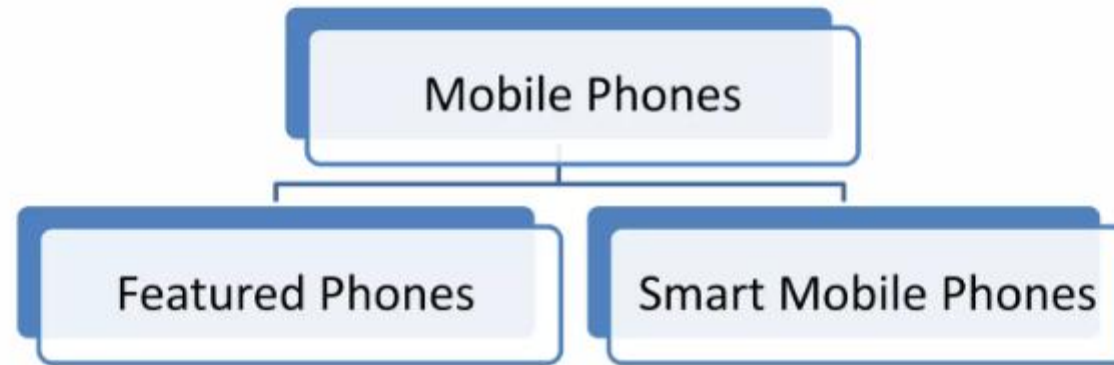
1. On your device, open Google Play Store. or visit the Google Play store on a web browser.
2. Search or browse for content.
3. Select an item.
4. Select Install or the item's price.
5. Follow the on-screen instructions to complete the transaction and get the content



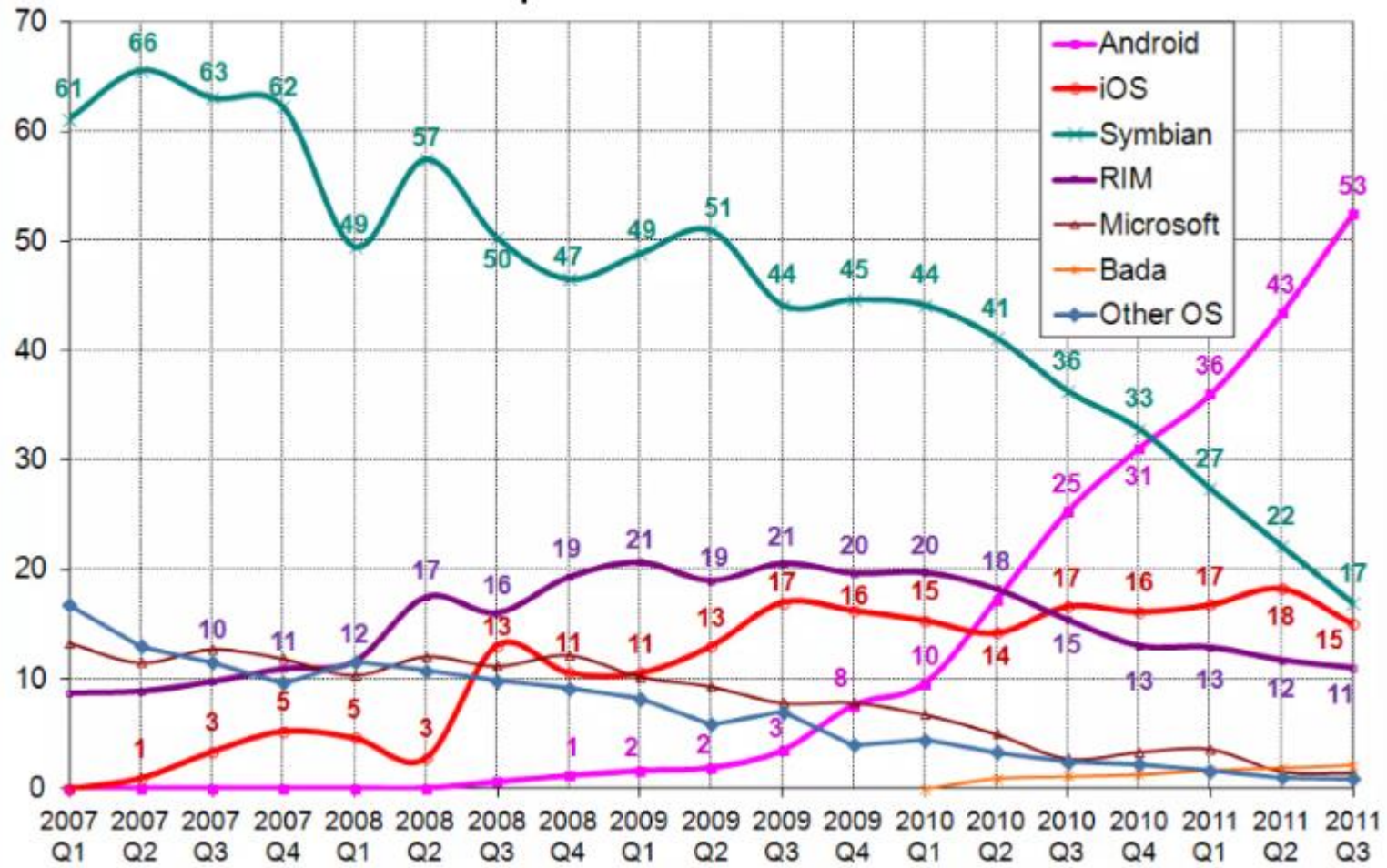
Mobile Apps

- A mobile application is software written for mobile devices that performs a specific task, such as a game, calendar, music player, etc.
- Telco Apps – SMS based, USSD, WAP
- Featured Mobile Phone Apps – J2me
- Smart Phone Apps – Android, IOS, Windows Mobile, Blackberry

Smart Phones Getting More Popular



World-wide Smartphone Mobile OS Marketshare %





כוסר כחם

Android is Everywhere



Mobile Apps – 3 Types

- **Native** - Programmed using Objective C on the iPhone or using Java on Android devices.
- **Hybrid** - Mix between these two types of mobile applications.
- **Web Apps** - Runs in the phone's browser.

Native Apps

Android	Dalvik
IOS	Objective C
Windows Mobile 7	XNA/Silverlight
Blackbery	Java
WebOS	HTML5

One Platform for All

- HTML5=HTML, CSS, Java Scripts
- HTML is Mobile
- HTML is Capable
- HTML is Open
- It rocks on mobile devices

HTML



Android	Dalvik / HTML5
IOS	Objective C / HTML5
Windows Mobile 7	XNA/Silverlight / HTML5
Blackbery	Java / HTML5
WebOS	HTML5



Thank You