



BAHRIA UNIVERSITY (KARACHI CAMPUS)

Computer Programming (CSC - 113)

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[CLO-4]

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Course Instructor: MUHAMMAD FAISAL

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RESEARCH REPORT ASSIGNMENT

Topic: App Store.

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Abstract:

The App Store is a digital distributive platform where users can buy and download digital software and applications. Apps are software tools that provide additional functionality to an operating system. App store is a collection of free or commercial software and games approved for use on your device. You can browse, purchase, install, and update software through your device's app store.

Introduction:

App Store is of many types Depending on operating system.

- Apple App Store (For IOS Operating System).
- Google Play Store (For Android Operating System).
- Microsoft App Store (For Windows Operating System).

1. Introduction to Apple App Store:

The Apple **App Store** is an app store platform, developed and maintained by Apple Inc., for mobile apps on its iOS and iPad OS operating systems. The store allows users to browse and download approved apps developed within Apple's iOS Software Development Kit.

Apps can be downloaded on the iPhone, iPod Touch, or iPad, and some can be transferred to the Apple Watch smartwatch or 4th-generation or newer Apple TVs as extensions of iPhone apps. The App Store was opened on July 10, 2008, with an initial 500 applications available. As of 2021, the store features more than 1.8 million apps.

App publishers must submit their app to a testing process, adhere to Apple's rules and guidelines, and meet several prerequisites.

2. Introduction to Google Play Store:

Google **Play Store** is a digital distribution service operated and developed by Google. It serves as the official app store for certified devices running on the Android operating system and its derivatives, as well as Chrome OS, allowing users to browse and download applications developed with the Android software development kit (SDK) and published through Google.

One can install apps, games, and digital content on one's device from the Google Play Store. Some content is available at no charge, and some you need to buy. Google Play is an online store where people go to find their favourite apps, games, movies, TV shows, books, and more. It provides 2 million apps & games to billions of people around the world.

Google Play Store is more developer friendly, leading to a substantially larger number of both developers and apps. There is less risk in choosing to submit an app to Google Play because the approval rate is much higher than on the App Store.

3. Introduction to Microsoft App Store:

The **Microsoft Store**, formerly called the Windows Store, is an online marketplace for consumers to buy and download a variety of items. The store enables users to purchase hardware such as PCs, Surface products and Xbox consoles, or download software and digital content, including apps, games, movies, or TV shows.

Microsoft announced the Windows Store in September 2011 and opened the marketplace in February 2012. The store offered listings for certified Windows applications and was hosted on Windows 8 and as a web-based storefront. The marketplace could also track product keys and licenses.

In the second quarter of 2022, the Microsoft Store (previously known as the Windows Store) hosted and distributed 44,275 gaming apps, making it the largest category of mobile apps on the platform. Utilities and tool apps ranked second, with approximately 10,000 apps hosted and distributed in the Microsoft Store.

Literature Review:

All major mobile operating system vendors, including Apple, Google, BlackBerry, and Microsoft, run their own app stores, which gives them control over the software available on their respective platforms. There are also several third-party app stores in operation; examples include the Amazon Appstore for Android and Cydia for jailbroken iOS Apple devices.

Previously, Android users had to get apps, games, movies and TV shows from the Android Market, music from Google Music and electronic books from the Google eBook store. Google's decision to merge all these stores into one portal made the lives of all Android device owners much easier, and it likely helped to expand the reach of the OS in general.

The Google Play Store for Android and the Apple App Store for iOS are the two largest distribution channels for mobile apps, offering almost global coverage to a huge potential audience. However, as competition in the two major stores has grown, developers have found it increasingly difficult to achieve visibility for their apps on these stores.

Google Play is an online store where people go to find their favourite apps, games, movies, TV shows, books, and more. It provides 2 million apps & games to billions of people around the world.

Conclusion:

In general, an app store (application store) is an online portal through which software programs are made available for users and through this online portal user can download and install application. An app store is an application that helps a user find software and install it on their computer or mobile device. It's a collection of free or commercial software and games approved for use on your device.

References:

[https://www.detailedpedia.com/wiki-App_Store_\(iOS/iPadOS\)](https://www.detailedpedia.com/wiki-App_Store_(iOS/iPadOS))

https://en.wikipedia.org/wiki/App_store

<https://www.androidauthority.com/google-play-store-1093442/>

https://en.wikipedia.org/wiki/Microsoft_Store

<https://apps.microsoft.com/store/detail>

<https://developers.google.com/learn/topics/google-play>