

Android Application Development Self Study Guide

Google Play

the Android operating system and its derivatives, as well as ChromeOS, allowing users to browse and download applications developed with the Android software

Google Play, also known as the Google Play Store, Play Store, or sometimes the Android Store, and formerly known as the Android Market, 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 ChromeOS, allowing users to browse and download applications developed with the Android software development kit and published through Google. Google Play has also served as a digital media store, with it offering various media for purchase (as well as certain things available free) such as books, movies, musical singles, television programs, and video games.

Content that has been purchased on Google TV and Google Play Books can be accessed on a web browser (such...

Outline of artificial intelligence

preparing for the examinations from the course texts and study guides. Artificial Intelligence Applications Institute Association for the Advancement of Artificial

The following outline is provided as an overview of and topical guide to artificial intelligence:

Artificial intelligence (AI) is intelligence exhibited by machines or software. It is also the name of the scientific field which studies how to create computers and computer software that are capable of intelligent behavior.

Human interface guidelines

Human interface guidelines (HIG) are software development documents which offer application developers a set of recommendations. Their aim is to improve

Human interface guidelines (HIG) are software development documents which offer application developers a set of recommendations. Their aim is to improve the experience for the users by making application interfaces more intuitive, learnable, and consistent. Most guides limit themselves to defining a common look and feel for applications in a particular desktop environment. The guides enumerate specific policies. Policies are sometimes based on usability studies of human-computer interaction, but most reflect the platform developers' preferences.

The central aim of a HIG is to create a consistent experience across the environment (generally an operating system or desktop environment), including the applications and other tools being used. This means both applying the same visual design and...

Google Maps

for and preloaded on Google's own new platform Android. Up until iOS 6, the built-in maps application on the iOS operating system was powered by Google

Google Maps is a web mapping platform and consumer application developed by

Google. It offers satellite imagery, aerial photography, street maps, 360° interactive panoramic views of streets (Street View), real-time traffic conditions, and route planning for traveling by foot, car, bike, air (in beta) and public transportation. As of 2020, Google Maps was being used by over one billion people every month around the world.

Google Maps began as a C++ desktop program developed by brothers Lars and Jens Rasmussen, Stephen Ma and Noel Gordon in Australia at Where 2 Technologies. In October 2004, the company was acquired by Google, which converted it into a web application. After additional acquisitions of a geospatial data visualization company and a real-time traffic analyzer, Google Maps was launched...

Outline of robotics

a pilot on the ground or in another vehicle. Android science - interdisciplinary framework for studying human interaction and cognition based on the premise

The following outline is provided as an overview of and topical guide to robotics:

Robotics is a branch of mechanical engineering, electrical engineering and computer science that deals with the design, construction, operation, and application of robots, as well as computer systems for their control, sensory feedback, and information processing. These technologies deal with automated machines that can take the place of humans in dangerous environments or manufacturing processes, or resemble humans in appearance, behaviour, and or cognition. Many of today's robots are inspired by nature contributing to the field of bio-inspired robotics.

The word "robot" was introduced to the public by Czech writer Karel Čapek in his play R.U.R. (Rossum's Universal Robots), published in 1920. The term "robotics..."

Applications of artificial intelligence

neuromorphic computing-related applications, and quantum machine learning is a field with some variety of applications under development. AI could be used for

Artificial intelligence is the capability of computational systems to perform tasks typically associated with human intelligence, such as learning, reasoning, problem-solving, perception, and decision-making. Artificial intelligence (AI) has been used in applications throughout industry and academia. Within the field of Artificial Intelligence, there are multiple subfields. The subfield of Machine learning has been used for various scientific and commercial purposes including language translation, image recognition, decision-making, credit scoring, and e-commerce. In recent years, there have been massive advancements in the field of Generative Artificial Intelligence, which uses generative models to produce text, images, videos or other forms of data. This article describes applications of...

ChromeOS

applications. ChromeOS supports progressive web applications, Android apps from Google Play and Linux applications. In 2006, Jeff Nelson, a Google employee,

ChromeOS (sometimes styled as chromeOS and formerly styled as Chrome OS) is an operating system designed and developed by Google. It is derived from the open-source ChromiumOS operating system and uses the Google Chrome web browser as its principal user interface.

Google announced the project in July 2009, initially describing it as an operating system where applications and user data would reside in the cloud. ChromeOS was used primarily to run web applications.

ChromeOS supports progressive web applications, Android apps from Google Play and Linux applications.

Google Cardboard

devices. Google provides three software development kits for developing Cardboard applications: one for the Android operating system using Java, one for

Google Cardboard is a discontinued virtual reality (VR) platform developed by Google. Named for its fold-out cardboard viewer into which a smartphone is inserted, the platform was intended as a low-cost system to encourage interest and development in VR applications. Users can either build their own viewer from simple, low-cost components using specifications published by Google, or purchase a pre-manufactured one. To use the platform, users run Cardboard-compatible mobile apps on their phone, place it into the back of the viewer, and view content through the lenses.

The platform was created by David Coz and Damien Henry, French Google engineers at the Google Cultural Institute in Paris, in their 20% "Innovation Time Off". It was introduced at the Google I/O 2014 developers conference, where...

COVID-19 apps

directly into their Android and iOS operating systems. India's COVID-19 tracking app Aarogya Setu became the world's fastest growing application—beating Pokémon

COVID-19 apps include mobile-software applications for digital contact-tracing—i.e. the process of identifying persons ("contacts") who may have been in contact with an infected individual—deployed during the COVID-19 pandemic.

Numerous tracing applications have been developed or proposed, with official government support in some territories and jurisdictions. Several frameworks for building contact-tracing apps have been developed. Privacy concerns have been raised, especially about systems that are based on tracking the geographical location of app users.

Less overtly intrusive alternatives include the co-option of Bluetooth signals to log a user's proximity to other cellphones. (Bluetooth technology has form in tracking cell-phones' locations.))

On 10 April 2020, Google and Apple jointly...

Self-driving car

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A self-driving car, also known as an autonomous car (AC), driverless car, robotic car or robo-car, is a car that is capable of operating with reduced or no human input. They are sometimes called robotaxis, though this term refers specifically to self-driving cars operated for a ridesharing company. Self-driving cars are responsible for all driving activities, such as perceiving the environment, monitoring important systems, and controlling the vehicle, which includes navigating from origin to destination.

As of late 2024, no system has achieved full autonomy (SAE Level 5). In December 2020, Waymo was the first to offer rides in self-driving taxis to the public in limited geographic areas (SAE Level 4), and as of April 2024 offers services in Arizona (Phoenix) and California (San Francisco...

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