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WOMEN SAFETY ANDROID APPLICATION

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ABSTRACT

In today's world, human beings the usage of clever telephones have accelerated hastily and hence, a clever telephone can be used effectively for non-public safety or quite a number different safety purposes. The heinous incident that outraged the whole country has waken us to go for the protection problems and so a host of new apps have been developed to grant safety structures to female by means of their phones. This mission entitled "Women security android app" presents, an Android Application for the Safety of Women and this app can be activated this app via a single click, each time want arises. A single click on this app identifies the region of vicinity thru picture and sends a message comprising this place as nicely as crook photo and description feeds to the app. The special characteristic of this software is to ship the message to the registered contacts. Other customers in the app can view crook grievance feeds and can remark the corresponding complaint. The app has been developed the use of Android and SQLite.

Keywords: Android app, SQL, Womens safety

INTRODUCTION

Women are done at mobilizing various organizations for established causes. They regularly work throughout racial, sacred, opinionated, and mental divides to motivate tranquillity. We are aware of significance of women's security, however we should apprehend that they need to be nicely secured. A Woman is no longer tons effective when in contrast to guys physically, in a disaster scenario and wishes a supporting hand to relieve them. The great way to reduce probabilities in turning into a sufferer of violent crime (robbery, sexual assault, rape, home violence) is to pick out and name on assets to assist you out of hazardous situations. Whether you are in immediately hassle or obtained separated from pals for the duration of night time and do now not comprehend how to get home, having these apps on your cellphone can reduce your danger and convey help when you require it.

In the mild of latest outrage in Delhi which shook the state and woke us to the security problems for our daughters, public are gearing upbeat in specific methods to combat back. A swarm of new apps have been developed to furnish safety structures to female on their phones. Here, we introduce an android app that ensures the protection of women. It reduces the danger and helps us in want via figuring out the place of character

who is in danger. In today's time when you are seeing so many crimes that is taking location in our surrounding as nicely as in our countries and that has come to be largest danger to us as properly as our families, then in such state of affairs protection will become the important difficulty for all of us. However, can you picture that simply a small app on your cellular smartphone that you elevate nearly in all places along with you can shop to from some of the predominant danger to your lifestyles and at the identical it can preserve your dad and mom or guardians nicely knowledgeable about the place the place are you located.

Just a easy app can grow to be a accomplice of yours when you are out of your domestic or journeying by myself to some place. The app is being getting referred through the identify "Women security android app" This app incorporates a variety of facets and acts as a very effective criticism posting device that works 24 X 7 to preserve you safe. I want in your existence you in no way face such scenario the place you have take assist of this app, however if in case you come throughout such scenario simply a single faucet on the pink button of the app will inform registered customers of the app about your area as properly as a criticism textual content that will make them conscious that you may want some assist on pressing basis..

SYSTEM STUDY

Existing System

Today the instances of atrocities on girls are growing. In these kinds of cases, a clever cellphone performs an essential position for security of women. Now android is budding on some apps for Women security android app purpose. Technology has superior to assist no longer simply the daily however additionally publics and visually impaired with sure needs. These apps can also virtually be of assist to humans struggling with the emergency situations.

The humans can surf the internet and can use the cellular telephone by means of the usage of some precise functions or they have to search their pals or emergency contact quantity and make a name to inform about their trouble and location. This may also now not be handy whilst the humans in the emergency situations. Also whilst the emergency situation, the humans belongs to any person to get the help. Also the humans have to now not comprehend about their specific place facts to bypass the message to the rescue team..

Drawbacks of current system

- The humans have to search the emergency contacts to pass by the message.
- The human beings must no longer recognize about the cutting-edge place information, then they combat to share the area information.
- Various Risk elements exist, when shared to the single contact. This will no longer assist the humans if the message is no longer obtained to the proper person.
- Victim can't share the photograph and grievance small print about crook thru current systems.

Proposed System

The proposed gadget helps the human beings to generate assist out of relying others. But it is honestly challenging for them to elevate such cumbersome equipments. So now, in the today's digital world, this Android app have developed such that are extraordinarily beneficial for the human beings at emergency situations. And the proposed app need to be set up in the handset of the human beings to make their lifestyles easier. This machine generates the assist request with the contemporary vicinity and crook statistics of the human beings via image seize to the assist line or to the nicely wishers, who had been registered in this application.

Advantage

- Sends the user's area photograph and crook photo to their emergencies contacts with the utilization of a variety of choice buttons.
- The registered humans can locate the humans cutting-edge region who want help.
- The device additionally ship picture of sufferer or criminalto the police in case of emergency
- Photo of the sufferer or crook is despatched to police which is very beneficial for identification.
- The app will work even the person does now not switched on their vicinity for the reason that they publish about their area photos.

System Analysis

Registration

This idea is proposed newly in the app. While registering the consumer details, telephone proprietor has to register the username password in person registration form. After registering details, customers can login and use the app.

Login Module

It is used for logging in the system. It is used for verifying the user. Once the person is authenticated, they can get right of entry to the system. In login shape customers will be authenticated. If a person tries to login with mistaken details, they will be no longer be redirected to get entry to the application.

Victim or crook Module

It is used for including sufferer or crook details. The module is very beneficial to discover the small print about criminal. When sufferer finds a trouble or harassment somewhere, they can take and submit photo of crook with grievance description. Victim can additionally submit the nearest vicinity picture or their very own photograph for identification in order to assist easily. The app will work even the person does no longer switched on their area considering the fact that they put up about their place images thru this module.

Comments Module

Other registered customers can view complaints of different customers and can put up their comments or remarks with the assist of this module. Based on feeds, criminal's crime price can be envisioned with the aid of police.

Like Module

Other registered customers can view complaints of different customers and can put up their like repote with the assist of this module. Based on feeds, criminal's crime price can be estimated by using police.

Software

FRONT END (ANDROID)

Android is a cell running gadget (OS) presently developed via Google, primarily based on the Linux kernel and designed specially for touchscreen cellular units such as smartphones and tablets. Android's consumer interface is broadly speaking based totally on direct manipulation, the usage of contact gestures that loosely correspond to real-world actions, such as swiping, tapping and pinching, to manipulate on-screen objects, alongside with a digital keyboard for textual content input. In addition to touchscreen devices, Google has similarly developed Android TV for televisions, Android Auto for cars, and Android Wear for wrist watches, every with a specialised person interface. Variants of Android are additionally used on notebooks, recreation consoles, digital cameras, and different electronics.

Android has the biggest established base of all running structures of any kind. Android has been the satisfactory promoting OS on drugs considering the fact that 2013, and on smartphones it is dominant by using any metric. Initially developed by using Android, Inc., which Google sold in 2005, Android used to be unveiled in 2007, alongside with the founding of the Open Handset Alliance – a consortium of hardware, software, and telecommunication corporations dedicated to advancing open requirements for cell devices. As of July 2013, the Google Play shop has had over one million Android purposes ("apps") published, and over 50 billion purposes downloaded. An April–May 2013 survey of cell software builders located that 71% of builders create functions for Android, and a 2015 survey discovered that 40% of full-time expert builders see Android as their precedence goal platform, which is related to Apple's iOS on 37% with each structures some distance above others.

At Google I/O 2014, the business enterprise published that there had been over one billion lively month-to-month Android users, up from 538 million in June 2013. Android's supply code is launched with the aid of Google beneath open supply licenses, though most Android gadgets eventually ship with a aggregate of open supply and proprietary software, such as proprietary software program required for getting access to Google services. Android is famous with technological know-how groups that require a ready-made, low-priced and customizable running machine for high-tech devices. Its open nature has inspired a massive neighborhood of builders and lovers to use the open-source code as a basis for community-driven projects, which add new facets for superior users or deliver Android to units at first shipped with different working systems.

At the equal time, as Android has no centralised replace machine most Android units fail to get hold of protection updates: lookup in 2015 concluded that nearly 90% of Android telephones in use had

acknowledged however unpatched safety vulnerabilities due to lack of updates and support.

Features Interface

Android's default consumer interface is usually primarily based on direct manipulation, the usage of contact inputs that loosely correspond to real-world actions, like swiping, tapping, pinching, and reverse pinching to manipulate on-screen objects, alongside with a digital keyboardGame controllers and huge bodily keyboards are supported with the aid of Bluetooth or USB. The response to consumer enter is designed to be immediately and offers a fluid contact interface, frequently the usage of the vibration abilities of the gadget to furnish haptic comments to the user. Internal hardware, such as accelerometers, gyroscopes and proximity sensors are used via some functions to reply to extra person actions, for instance adjusting the display screen from portrait to panorama relying on how the system is oriented, or permitting the person to steer a car in a racing recreation via rotating the device, simulating manage of a guidance wheel.

Android units boot to the homescreen, the predominant navigation and records "hub" on Android gadgets that is analogous to the laptop observed on private computers. (Android additionally runs on normal non-public computers, as described below). Android homescreens are usually made up of app icons and widgets; app icons launch the related app, whereas widgets show live, auto-updating content, such as the climate forecast, the user's e mail inbox, or a information ticker immediately on the homescreen.

A homescreen may additionally be made up of numerous pages, between which the person can swipe again and forth, even though Android's homescreen interface is closely customisable, allowing customers to regulate the appear and experience of the units to their tastes Third-party apps handy on Google Play and different app shops can significantly re-theme the homescreen, and even mimic the seem of different running systems, such as Windows Phone. Most manufacturers, and some wi-fi carriers, personalize the seem and experience of their Android gadgets to differentiate themselves from their competitors.

Applications that cope with interactions with the homescreen are known as "launchers" due to the fact they, amongst different purposes, launch the functions hooked up on a device. Along the pinnacle of the display screen is a reputation bar, displaying facts about the system and its connectivity.

This repute bar can be "pulled" down to divulge a notification display screen the place apps show vital statistics or updates, such as a newly obtained electronic mail or SMS text, in a way that does now not right now interrupt or inconvenience the user. Notifications are continual till examine by means of tapping it, which opens the applicable app, or disregarded by using

sliding it off the screen. Beginning on Android 4.1, "expanded notifications" can show multiplied small print or extra functionality; for instance, a tune participant can show playback controls, and a "missed call" notification offers buttons for calling lower back or sending the caller an SMS message. Android affords the capability to run functions that alternate the default launcher, and subsequently the look and externally seen behaviour of Android. These look modifications encompass a multi-page dock or no dock, and many extra adjustments to necessary elements of the consumer interface.

Applications

Applications ("apps"), which prolong the performance of devices, are written the usage of the Android software program improvement package (SDK) and, often, the Java programming language that has entire get admission to to the Android APIs. Java can also be blended with C/C++, collectively with a preference of non-default runtimes that permit higher C++ support; the Go programming language is additionally supported considering the fact that its model 1.4, which can additionally be used solely though with a limited set of Android APIs. The SDK consists of a complete set of improvement tools, inclusive of a debugger, software program libraries, a handset emulator based totally on QEMU, documentation, pattern code, and tutorials.

Initially, Google's supported built-in improvement surroundings (IDE) used to be Eclipse the use of the Android Development Tools (ADT) plugin; in December 2014, Google launched Android Studio, primarily based on IntelliJ IDEA, as its predominant IDE for Android utility development. Other improvement equipment are available, which includes a native improvement package (NDK) for purposes or extensions in C or C++, Google App Inventor, a visible surroundings for beginner programmers, and a range of pass platform cellular internet purposes frameworks. In January 2014, Google unveiled an framework based totally on Apache Cordova for porting ChromeHTML 5web purposes to Android, wrapped in a native utility shell.

Back End (SQLite)

SQLite is a relational database administration machine contained in a C programming library. In distinction to many different database administration systems, SQLite is no longer a client-server database engine. Rather, it is embedded into the cease program.SQLite is ACID-compliant and implements most of the SQL standard, the use of a dynamically and weakly typed SQL syntax that does no longer warranty

the area integrity. SQLite is a famous desire as embedded database software program for local/client storage in utility software program such as net browsers. It is arguably the most extensively deployed database engine, as it is used these days by means of numerous vast browsers, running systems, and embedded structures (such as cell phones), amongst others. SQLite has bindings to many programming languages

Features: SQLite implements most of the SQL-92 trendy for SQL however it lacks some features. For example, it partly offers triggers, and it cannot write to views (however it presents INSTEAD OF triggers that supply this functionality). While it gives complicated queries, it nevertheless has confined ALTER TABLE function, as it can not regulate or delete columns. SQLite makes use of an uncommon kind gadget for an SQL-compatible DBMS; rather of assigning a kind to a column as in most SQL database systems, sorts are assigned to person values; in language phrases it is dynamically typed. Moreover, it is weakly typed in some of the identical methods that Perl is: one can insert a string into an integer column (although SQLite will attempt to convert the string to an integer first, if the column's favored kind is integer).

This provides flexibility to columns, particularly when certain to a dynamically typed scripting language. However, the method is now not transportable to different SQL products. A frequent criticism is that SQLite's kind device lacks the facts integrity mechanism supplied by means of statically typed columns in different products. The SQLite net website describes a "strict affinity" mode, however this function has now not but been added. However, it can be applied with constraints like CHECK (type of (x) = 'integer'). SQLite with full Unicode characteristic is optional. Several pc strategies or threads may additionally get admission to the identical database concurrently. Several examine accesses can be at ease in parallel. A write get admission to can solely be comfy if no different accesses are presently being serviced. Otherwise, the write get admission to fails with an error code (or can mechanically be retried till a configurable timeout expires). This concurrent get entry to scenario would exchange when dealing with transient tables

Input Design

In the enter design, user-oriented inputs are transformed into a laptop based totally gadget format. It additionally consists of identifying the document media, approach of input, velocity of seize and entry on to the screen. Online statistics entry accepts instructions and facts thru a keyboard. The foremost method to enter sketch is the menu and the instant design. In every alternative, the user's selections are predefined. Input statistics are amassed and geared up into a crew of comparable data.

Once recognized enter media are chosen for processing. In the software, significance is given to improve Graphical User Interface (GUI), which is an essential thing in creating environment friendly and straightforward software. For inputting person data, alluring types are designed. User can additionally choose favored alternatives from the menu, which presents all viable facilities. Input is any records or directions entered into the reminiscence of a computer. Two sorts of enter are records and instructions.

Data is a series of unorganized objects that can encompass words, numbers, pictures, sounds, and video. A laptop methods records into information, which is organized, meaningful, and useful. Instructions can be in the shape of programs, commands, or consumer responses. A software is a collection of directions that tells a pc how to function the duties fundamental to technique statistics into information. A command is an preparation given to a pc program.

A person response is an education you trouble to the pc through responding to a query posed via a laptop program. Any hardware aspect that lets in getting into data, programs, commands, and consumer responses into a pc is an enter device. It can be stated that most of the inputs are of the structure of interior and interactive. As Input information is to be without delay keyed in with the aid of the user, the keyboard can be regarded to be the most appropriate enter device. The enter types in this challenge are login, contact details, place facts of the user, image and grievance description as the input.

Output Design

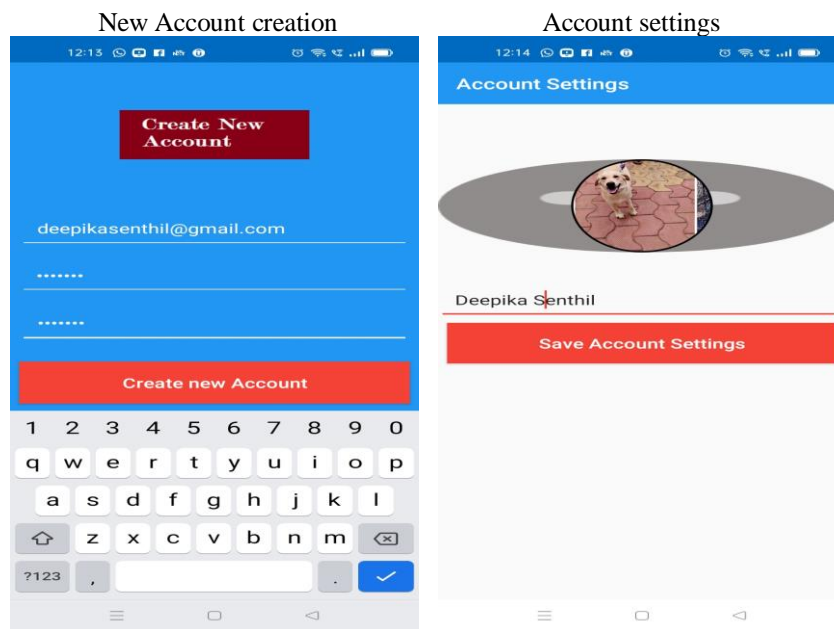
Output plan entails specifying how manufacturing of on-screen reviews and paper primarily based reviews will occur. Output may additionally appear to database or file for storing records entered or additionally for use through different systems. Output is information that has been processed into a beneficial structure known as information. Four sorts of output are text, graphics, audio, and video. Text consists of characters (letters, numbers, punctuation marks, or any different image requiring one byte of laptop storage space) that are used to create words, sentences, and paragraphs.

Computer's output is the most essential and direct supply of data to the user, efficient, logical, output layout need to enhance the structures members of the family with the person and assist in decision-making. As the outputs are the most essential supply of records to the user, higher layout need to enhance the system's relation and additionally must assist in decision-making.

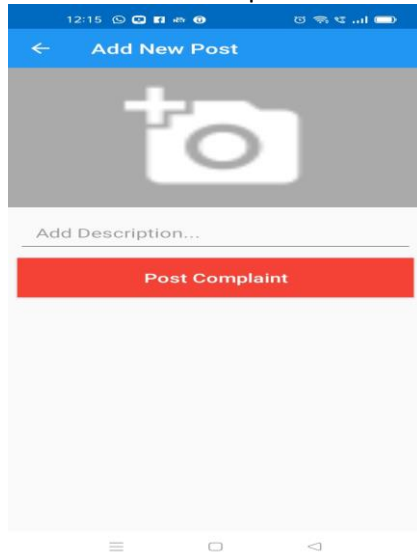
The outputs have been wished to be generated as a challenging replica and as nicely as queries to be considered on the screen. Keeping in view these outputs, the layout for the output is taken from the outputs, which are presently being acquired after guide processing. Outputs from laptop structures are required especially to speak the outcomes of processing to users. They are additionally used to grant a everlasting reproduction of the consequences for later consultation.

The assist request era based totally on the person enter is generated and ship as an SMS to the assist line with region information.

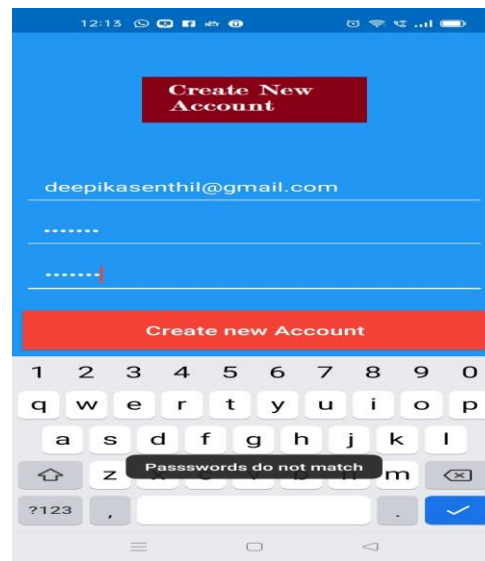
FORM DESIGN



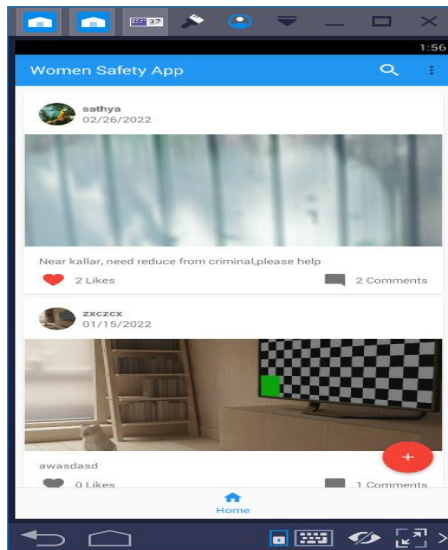
Post compliant



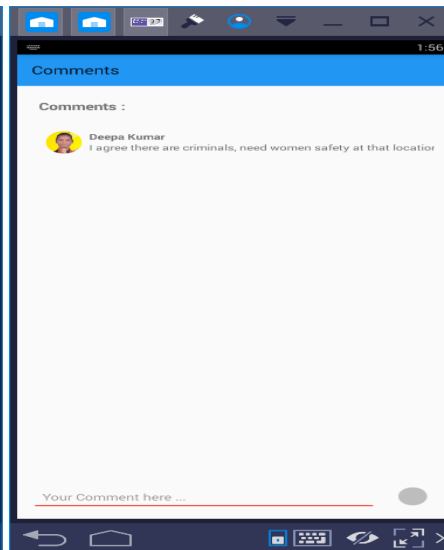
Password validation in new account



Home



View comments



CONCLUSION

This assignment has very positive beneficial for coping with day prompts in automobile provider centre. All the kind of updating can be made thru machine every time necessary. The gadget has been designed in such a manner the reviews are generated at every and each and every stage of the system. Implementing this undertaking reduces burden due to the guide reports. The protection of this is less complicated one. The software program bought the range of reviews inside a time. The software program created is pleasing and user-friendly. It is fairly interactive too. The software program seems extra flexible, which is absolutely

menu-driven, it offers advantage, as it wishes much less typing by means of the user. It keeps information consistency.

Future Work

Further enlargement of the machine additionally can be achieved in future if needed. The software can be more advantageous in the future with the wishes of the organization. The database and the records can be up to date to the ultra-modern drawing close versions. There are additionally probabilities for bettering and similarly growing the venture with custom-made reviews in accordance to the modern records and desires of the company. Thus the machine can be altered in

accordance with the future necessities and advancements. System overall performance assessment should be monitored now not solely to decide whether or not or no longer they function as design however additionally to decide if they need to have to meet modifications in the data wanted for the company. The

overall performance of the device will be evaluated to decide whether or not gadget achieves the effects that are predicted and whether or not the anticipated advantages of the machine are realized. In future, computerized SMS alerting machine can be despatched to victim's close by police station.

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