

preliminary knowledge or experience is expected for the certification; however, candidates should be prepared with hands-on networking skills and networking know-how according to the exam requirements".

The year 1995 and further was the time when computers were becoming a need in government organizations, schools and for other small businesses. So Cisco wanted to introduce a certification that could be achieved in lesser time than the CCIE.

So, Cisco introduced CCNA certification, and the certified candidates would set-up, manage and support small networks.

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Preperation for National Test
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Abstract

Nowadays most mobile phone's system is Android.

Because of it I made preparation for National test for android. Students when they prepare for NT, they usually go to special courses. They go there by transport and it takes many time. So to save time of students I decided to do this project. Because it is easy to carry phones rather than the books

Introduction

After graduating school every student in Kazakhstan must write National Test. National Test was included in 2000 years.

In National Test there are 4 base lessons. To study for that National Test and to have a goo result every student should study math, Kazakh language, Kazakh history , Russian language. If you are graduating at 2009th year you must at least do tests of 2007,2008,2009 th year for each lesson. It is waste of money and time. It means student must buy 12 books and carry them everywhere. It is easy to carry mobile phones rather than books. To save money and time I made this Android application for android mobile phones. Student can easily download each year's test from internet and do that test everywhere.

Materials and methods

This is android application. What is android? Android is also an operating system developed by [Google](#). Basically it was started by some other company which was taken by Google. Google improved the operating system and made it a open source platform. It was widely adapted over the world. As it is open source it is so popular amongst the smartphones.B Android OS can also be used on tablet PCs.

You can see the logo of Android from the image below:



Android is based on **linux** and offers you a great deal of customization in widgets and over millions of apps. Most of them are free of cost and can be installed on your phone just by clicking on install tab of the respective app in the Google Play Store app. Which comes along with the android Phone.

To write this project in Android I need setup eclipse then android.

In this application to save tests of each lesson I included database.

Android database sqlite

Contains the SQLite database management classes that an application would use to manage its own private database.

Applications use these classes to manage private databases. If creating a content provider, you will probably have to use these classes to create and manage your own database to store content. See Content Providers to learn the conventions for implementing a content provider. See the NotePadProvider class in the NotePad sample application in the SDK for an example of a content provider. Android ships with SQLite version 3.4.0

If you are working with data sent to you by a provider, you will not use these SQLite classes, but instead use the generic android.database classes.

Android ships with the sqlite3 database tool in the tools/ folder. You can use this tool to browse or run SQL commands on the device. Run by typing sqlite3 in a shell window.

With internet tests will be ,updated automatically .I there is no internet old questions will be included.

Results

Till now only 50 % of project is done. I have done 3 lessons: math, Kazakh language, Kazakh history. Some part of design is done.

Discussion

Last year I made this project with team. But at that time our project wasn't done good. There we didn't updated questions by database. Now it is hard to connect to database and to update questions by internet.

Conclusion

Android database. When I started to write database code, at first there were many errors. Then I wrote again database, it didn't connect to internet.

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Literature cited

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Методика обучения элементов высшей математики с применением IT технологии

Ключевые слова: высшая математика, методика преподавания математики, программирование.

В ходе модернизации системы образования надо внедрять в процесс обучения современные методики и технологии. Нужно повышать компьютерную грамотность населения, в том числе за счёт различных стимулирующих программ. Я призываю всех казахстанцев активнее осваивать информационные технологии.

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Линейная алгебра - важная в приложениях часть алгебры, изучающая векторы, векторные или линейные пространства, линейные отображения и системы линейных уравнений. Векторные пространства встречаются в математике и её приложениях. Линейная алгебра широко используется в абстрактной алгебре и функциональном анализе, и находит многочисленные приложения в естественных науках. А так же используется при решении задач такого рода: вычисление ранга матрицы, вычисление определителя матрицы, нахождение обратной матрицы, транспонирование матрицы, сложение матрицы, умножение и суммирование двух матриц.

Здесь рассматривается обучение к решению задач подобного рода с помощью разработки приложения на технологий ASP.NET MVC 3 платформы DOT.NET Framework.

.NET Framework — программная платформа, выпущенная компанией Microsoft в 2002 году. Основой платформы является исполняющая среда Common Language Runtime (CLR), способная выполнять как обычные программы, так и серверные веб-приложения. .NET Framework поддерживает создание программ, написанных на разных языках программирования.

Считается, что платформа .NET Framework явилась ответом компании Microsoft на набравшую к тому времени большую популярность платформу Java компании Sun Microsystems (ныне принадлежащей Oracle).