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SMART WARDROBE-MOBILE APP

Abstract. Mobile application-on mobile phones, designed to work on tablets and other mobile devices software. Mobile applications operating mobile phone system can be installed in advance or at the request of the user. Mobile applications to the operating system installed on the mobile phone related App Store, Google Market, BlackBerry App World, Windows Phone Store, 1Mobile Market is downloaded directly to your phone from online stores. In on the most popular and applied mobile platforms of 2018 judging by the rating indicator-iOS, Android and Tizen. Each mobile application installed according to the phone's operating system must be written in a programming language. For example, Apple has its Swift has released a programming language so that users can edit in the operating system. Accordingly, the Android operating system of mobile devices based on the Android Studio mobile system is attached.

Keywords: Mobile application, Stylebook, Trendstop Fashion Trendtracker, Clamotty.

Introduction. Intensive development in digital technologies and programming systems in the world despite the progress, Kazakhstan has a low level of digital development. Mobile app processing has only been gaining momentum in recent years. In most cases, only a few large banks have mobile applications in Kazakhstan, owns internet platforms and media. As a result of monitoring kaznet, popular a list of mobile applications has been created. For example, the MobileCreators team iOS and «People o'clock», «DialerOne», «Kinosaurus» and «GQ» for Android Developed applications» BarLab». Studio «glatis» iDrive.kz to the website Developed the application «iDrive: PDD and strokes of the RK» on the Android platform «no,» she said. And so on Homebank.kz iPhone app and Alliance Bank created the iOS app design.

Relevance of the research: currently, mobile devices ways to develop the pace of applications for. At the same time processing of mobile applications according to the requirements and preferences of users. Digital progress in the countries of near and far abroad. Development of innovations in comparison with progress in Kazakhstan. At the same time, based on the research being done, it is necessary to develop an independent program edit. Expanding the scope of Use and functioning of mobile applications increase the functionality.

The purpose of the research - work is to develop a mobile device «Smart Wardrobe» edit the application. In addition, the purpose of the work is for people. Creating a mobile application for the Android and iOS operating systems is. Save time with the mobile app, help with selection and the provision of services for the provision of mutually compatible models of clothing in accordance with the weather implementation. In the fashion industry through a mobile application that can be processed, in this direction in specialized higher educational institutions and individual conducting work on increasing interest.

Objectives of the research work:

- with sources, literature related to the research work, and so on get acquainted with a set of other information, as well as conduct a small analytical work driving;

- in the field of research in the countries of near and far abroad (CIS development and analysis of mobile applications «I'm sorry» he said. Identification of advantages and disadvantages;

- theoretical justification of the studied topic;
- methodological justification of the studied topic;
- summing up the results of the work done.

Currently, working with mobile applications is much more convenient and faster but many small and large companies have already launched their mobile application activities not only does the user have access to the internet, but also directly communicates with the user, it is possible to collect detailed information about the work done. Mobile apps provide quick and easy solutions to many problems «I'm sorry». Many people, starting with transactions and money manipulation, have been we were able to calculate our steps. At the same time in the world we have created conditions to be the first to know the innovations and changes that are taking place.

In order to understand the relevance of the mobile app, it is necessary to programs related to the fashion industry offered on the internet let's look at the functions. The internet network on demand is designed for young designers and ordinary consumers are encouraged by the news and clothing that is happening in the fashion industry the complex offers you to install the following mobile applications that can be assembled:

1. «The Iconic-Fashion Shopping» (iOS) – the world's best brands and get acquainted with the latest collections of young designers, learn new trends learn or just interesting things and clothes that fit together it helps to look at complexes (fig.1). In addition, this program has find clothes in online stores, specify the price, and then buy them makes an opportunity. The mobile application processing country is Australia.

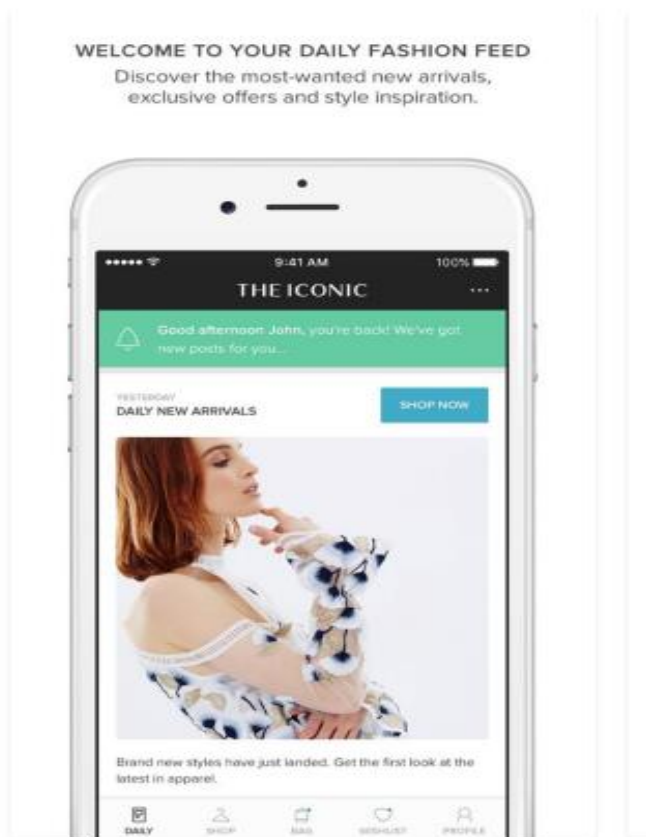


Figure 1 - the Iconic-Fashion Shopping mobile app

2. «Trendstop Fashion Trendtracker « (iOS, Android) – fashion «I don't know» he said, as well as information about video recordings of fashion shows mobile application (Figure 2). Interested in the world of fashion introduces people to new and latest clothing models.

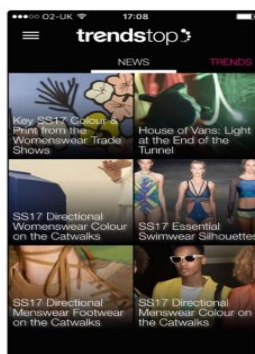


Figure 2-Trendstop Fashion Trendtracker mobile app

3. «Clamotty» (Android) – using the mobile app the user creates a virtual copy of their cabinet (in the search bar ability to write down the right clothes, scan the barcode, and find them in online stores ability to add a photo). Clothing is sorted by season, then «Clamotty» will help you create the necessary set of clothes (Figure 3).



Figure 3-Clamotty mobile app

4. «Stylebook» (iOS) – similar in functionality to the mobile app «Clamotty», only two mobile apps are aimed at different mobile platforms. In addition, this mobile app is paid (Figure 4).

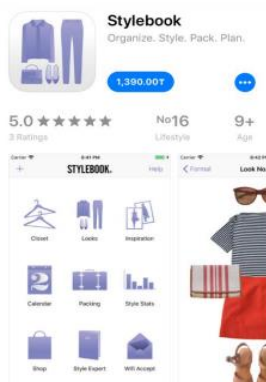


Figure 4-Stylebook mobile app

5. «Smart Wardrobe» is a mobile application that is currently being processed it is oriented in such a way that it can be uploaded to the mobile platforms used. At the same time, the functionality of the work is very simple and allows users to it is processed with a clear interface. To insert clothes into a virtual wardrobe initially, the functions of manually entering clothing characteristics are used. In addition, currently scanning QR codes is carried out in Kazakhstan. Due to its widespread implementation in the Republic of Kazakhstan, this function is being implemented will be added.

New technologies: working with a QR code

QR code «Quick Response» (quick response) is a mobile phone two-dimensional (available code) that provides information for quick recognition via the camera bar code. You can encode any information using a QR code, for example: text, phone number, site links, or business card the card. The use of QR-codes around the world is gaining momentum, as QR - using the code does not cause any difficulties, as well as many easy to buy goods and also used as security measures the system can be called.

The above code edits information about a particular item these are the main algorithms used for storage. At the same time editing to prevent errors and errors that may occur in the code algorithms are created. Errors when scanning a particular product the percentage of occurrence should be as low as possible. Smart Wardrobe mobile app for clothing, shoes and accessories with a QR code virtual wardrobe of the user by scanning models of clothing, etc. copies. Today, due to the rapid development of digital technologies, each availability of a corresponding QR code containing product characteristics possible. A mobile phone that has been developed and processed in many countries of Kazakhstan applications have QR code scanning capabilities.

Machine Learning – artificial intelligence class

Machine learning is a class of artificial intelligence methods is. The principle of operation of this artificial intelligence is that not to find a direct solution, but to solve similar problems in the process of solving the same problem it is a collection and study of information about the developed solutions. For the construction of such methods, the tools of Mathematical Statistics, quantitative methods, optimization methods, probability theory, Graph Theory and various methods of working with data in digital form used:

1) Empirical data on the use of practice or inductive learning it is based on the identification of samples;

2) Continuous (deductive) training - the formation of expert knowledge and it involves transferring them to a computer as a knowledge base. Continuous training is usually the expert belongs to the field of systems, so machine learning and learning terms with precedents can be considered synonymous.

Technologies for working with artificial intelligence are currently huge it is gaining momentum and is used in many digital industries. IT with machine learning and artificial intelligence in specialized centers the work process is developing rapidly.

Mobile application information interface.

Application with mobile applications and mobile applications an important role in human life is played by the relevance of this research work «no» she said. Information interface of the mobile application» Smart Wardrobe» it should be convenient and understandable for the user. Functionality ease of Use and intensity of work with the application from the side it should not interfere with the user's work.

At the request of the user after downloading the mobile application can register. During the first registration in the system, the user must enter full information about the clothes they have. During subsequent use full-fledged interaction in relation to the processed program of the mobile application it will offer customized clothing complexes. Mobile connector on the home page in the interface, the user's entered clothing is virtual inside the closet. At the same time on the second page are in the fashion industry what are the latest news and what models and colors of clothing are fashionable in the new season there will be information that will be recognized.

What clothes are on the third leaflet «I'm sorry», I said, «but I don't know what you're talking about».

Technological justification of research work. Organization of functional requirements. «Smart Wardrobe» is a mobile application that simplifies the choice of clothing is. The development of this software application consists of the following algorithms:

- 1) Analysis and collection of materials;
- 2) Comparison with similar software;
- 3) Drawing up a technical task;
- 4) Design processing;
- 5) All software required for the content to work execution of special programs for automatic installation of components;
- 6) Testing;
- 7) Preparation of technical documentation.

Visual modeling-modeling using graphic notation. Initially unstructured information in any visual modeling and as a result, the business process and software models are obtained. Work on large projects thanks to visual modeling. I will determine the result at the initial stage, make some mistakes and it is possible to prevent malfunctions. This will save time and ensures the implementation of the project in the right direction. Visual modeling the concept consists of:

- 1) Notation - symbols for graphic representation;
- 2) Semantics - rules and conventions that determine the essence of interpretation;
- 3) Methodology(methodology) - a method that allows you to organize logically
- 4) A set of methods and principles of modeling;
- 5) Case-software processing methodology;
- 6) Case-tools-processing of visual models of software systems,
- 7) Generating code and getting a database schema
- 8) Tools.

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SMART WARDROBE- МОБИЛЬНОЕ ПРИЛОЖЕНИЕ

Аннотация. Мобильное приложение на мобильных телефонах, предназначенное для работы на планшетах и другом программном обеспечении мобильных устройств. Мобильные приложения, работающие под управлением мобильной телефонной системы, могут быть установлены заранее или по желанию пользователя. Мобильные приложения к операционной системе, установленной в связанном с мобильным телефоном App Store, Google Market, BlackBerry App World, Windows Phone Store, 1Mobile Market, загружаются прямо на ваш телефон из интернет-магазинов. В списке самых популярных и прикладных мобильных платформ 2018 года, судя по рейтинговому индикатору, - iOS, Android и Tizen. Каждое мобильное приложение, устанавливаемое в соответствии с операционной системой телефона, должно быть написано на языке программирования. Например, Apple выпустила свой Swift язык программирования, чтобы пользователи могли редактировать в операционной системе. Соответственно прилагается операционная система Android мобильных устройств на базе мобильной системы Android Studio.

Ключевые слова: мобильное приложение, Stylebook, Trendstop Fashion Trendtracker, Clamotty.

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