

**Figure #6**

The colored bidirectional graph above shows that 3 modes of traffic lights are enough to safely organize our junction.

УДК 004.4

## **INTERNET SHOP OF NEWS ON ANDROID PLATFORM**

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### **Annotation**

This mobile application provide users with access to professional-grade news and market data in Kazakhstan wherever and whenever you want it. The main server part of application is website 314news.kz news aggregator, which collects from Forbes, Nur.kz, Tengrinews, Prosporkz, Bnews etc. Convenient application for reading news with clear, fast, beautiful interface, and minimum required privileges. In our country there are several mobile applications that perform responsibilities of reading news. If we take each application separately there is still not enough usability for reader. So one of the main aims is to provide nice, pleasant content application with clear functionality for readers. Another purpose is to give opportunity to journalists or people who want to be, to realize their jobs in free mode and earn more money. And press agencies will increase opportunity to collect good news.

### **Аннотация**

Это мобильное приложение, которое дает возможность пользователям доступ к новостям профессионального уровня и рыночной информации в Казахстане. Основная серверная часть приложения это - сайт 314news.kz, агрегатор новостей, который собирает от Forbes, Nur.kz, Tengrinews, Prosporkz, Bnews т.д. Удобное приложение для чтения новостей с ясным, быстрым, и красивым интерфейсом. Требуется минимум необходимых привилегий. В нашей стране есть несколько мобильных приложений, которые выполняют обязанности чтения новостей. Если мы возьмем каждого приложения отдельно, то заметим недостатки в удобстве использования и чтения. Таким образом, одна из основных целей является, сделать контент более красивым,

приятным, с четкой функциональностью для читателей. Другой целью является дать возможность журналистам или людям, которые хотят быть ими. Они сами могут добавлять новостей и работать в свободном режиме, зарабатывая больше денег. А у новостных агентств увеличится возможность собирать хорошие новости.

### **Introduction**

In this article I'll try to explain the processing work of my diploma in detail. Application is not limited with news reading, because there already exist many programs made by RSS reader. This application is directed into 2 types of using.

First is for usual users that like reading news with good content regularly.

Second is market of news, where exchange takes place between journalists (press-people) and press agency. User can register as journalist, and then can add news by himself (takes photo of some event, writes content and put to market). Of course also puts price. Meanwhile press agency registers as news buyers, then searches and buys hot news, that journalists have added.

### **Background**

In computing, a news aggregator, also termed a feed aggregator, feed reader, news reader, RSS reader or simply aggregator, is client software or a web application which aggregates syndicated web content such as online newspapers, blogs, podcasts, and video blogs (vlogs) in one location for easy viewing.[1] Visiting many separate websites frequently to find out if content on the site has been updated can take a long time. Aggregation technology helps to consolidate many websites into one page that can show the new or updated information from many sites. Aggregators reduce the time and effort needed to regularly check websites for updates, creating a unique information space or personal newspaper. Once subscribed to a feed, an aggregator is able to check for new content at user-determined intervals and retrieve the update. The content is sometimes described as being pulled to the subscriber, as opposed to pushed with email or IM. Unlike recipients of some pushed information, the aggregator user can easily unsubscribe from a feed. Feed aggregation applications are installed on a PC, smartphone or tablet computer and designed to collect news and interest feed subscriptions and group them together using a user-friendly interface. Some notable examples include "Flipboard", "Prismatic", and "Zite". "Новости Казахстана", "Новости 24" from our country sources. [2]

### **Related Works**

#### **1. FlipBoard**

Flipboard is a social-network aggregation, magazine-format application software for Android, Windows 8, Blackberry 10 and iOS operating systems. The software collects content from social media and other websites, presents it in magazine format, and allows users to "flip" through their social-networking feeds and feeds from websites that have partnered with the company.

Flipboard launched for the iPad and in December 2010 was updated to add support for the iPhone and iPod Touch. On May 5, 2012, it was announced that Flipboard would be released for select Android phones, beginning with the Samsung Galaxy S3. A final stable release of the Flipboard for Android was released on June 22, 2012 in Google Play while the China version of Flipboard for Android was released on June 26, 2012. Flipboard is produced by Flipboard, Inc., a United States-based software company

founded in 2010 by Mike McCue and Evan Doll and headquartered in Palo Alto.[3]

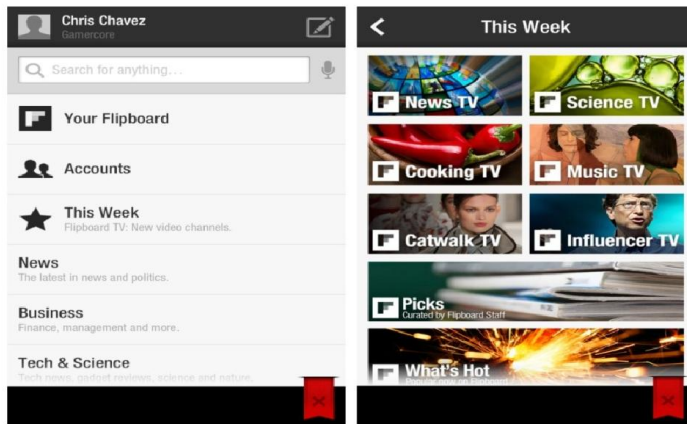


Figure 1 FlipBoard Application [4]

## 2. Новости 24

Mobile application developed for Kazakhstan. Convenient program for reading news. Clear, fast, beautiful. Minimum required privileges.

Loading news offline.

Quick and easy channel search by keywords.

Social functions : vote for your favorite news and see what news like to read other users of the program.

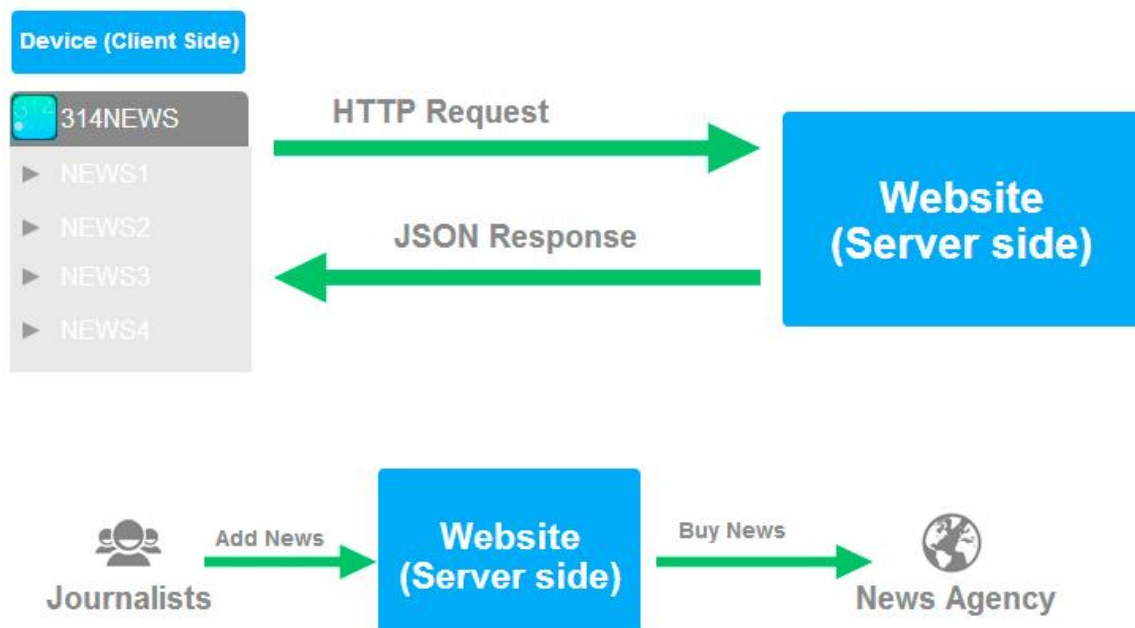
Forecast (you can see the forecast for many cities at once on the same page).

Unlike analogues :

a) supported by any news sources, not only from a predefined list.

b) all the news can be downloaded immediately into offline - no need to mark the articles one by one.[5]

Application is written on Android platform, and for choosing it there are several reasons: *Open - allows developers to create richer and more cohesive experiences for users.* *Breaking down application boundaries - a developer can combine information from the web with data on an individual's mobile phone, such as the user's contacts, calendar, or geographic location.* *Fast and easy application development - provides access to a wide range of useful libraries and tools that can be used to build rich applications.[6]*



**Figure 2 Scheme of Project**

In the client version of application there are 2 main functions, as shown in Figure 1: send Http based request to server side, get response in JSON format. Response contains all information of news (title, content, image, ratings, likes etc) . Journalists must register in advanced version of application, fill all needed requirements. After registration, journalist can freely add news. Addition is realized directly by taking photo, filling content and sending to server. Added news will appear in exchange part of website, where news agencies can choose and buy the fresh news.

### **Conclusion**

By the end of this project we have shown the system that will be useful for ordinary people who want to be informed about news, and for journalists that want to improve their jobs and earn much money. This system is flexible, which means that users can extend our system by adding more news. The demo client version is accessible in play market (314news.kz).

### **References**

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