Software Requirements Document for «Almaty Today»

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0.1	23.02.16	SM	Initial Document

Table of Contents

1. Introduction

1.1. PURPOSE

In this document, written description of the mobile application «Almaty Today».

1.2. SCOPE

Our program is mobile, it is associated with the server and a database.

1.3. DEFINITIONS, ACRONYMNS, ABBREVIATIONS

// alphabetical list of terms and their descriptions

// This is part of analysis and you must make sure you describe terms used in this document

Term	Description
Client	The man who will be using our software.
Server	All data that are required by the user are stored here.
Database	All data is stored here.
Parsing algorithm	User requirement information from the database.
News	Enters all the latest news from the database.
Send a message	The user can send a message.

1.4. REFERENCES

// list of references for the reader of this document (if any)

1.5. OVERVIEW

[OMIT]

2. Overall Description

Modern technology in the developed world, and all the people will be able to see the information via the Internet. Our project will be colorful and beauty at the city of Almaty. Almaty, where he took part in a demonstration of all the information. The help of the local people and visitors of the city was interested contact information is provided.

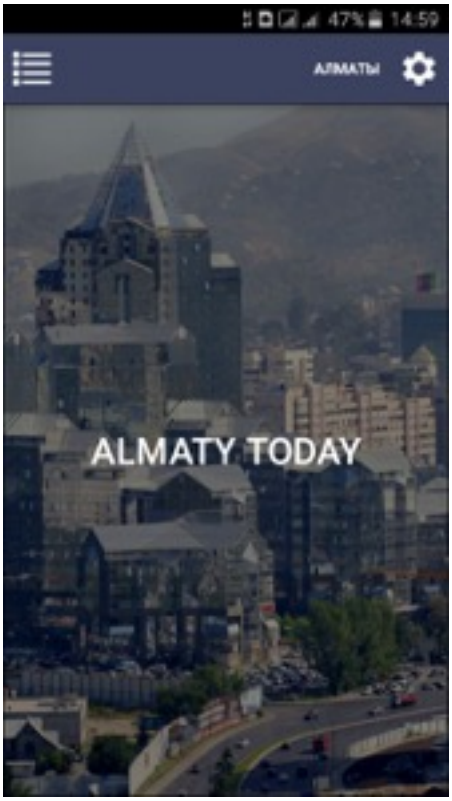
2.1. PRODUCT PERSPECTIVE

The user may at any time to read the news, the weather forecast to see and learn many interesting things about Almaty.

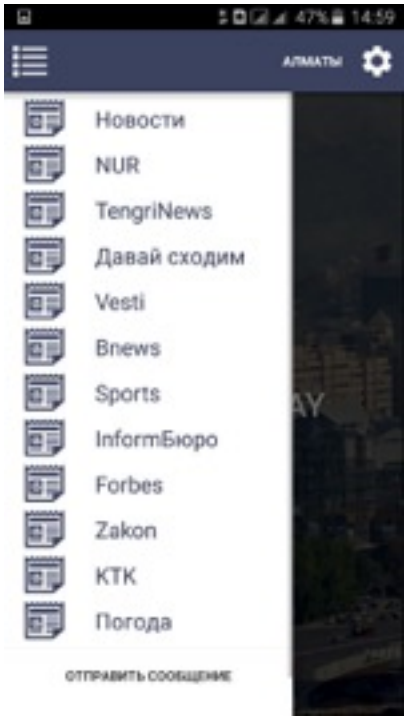
2.1.1. Concept of Operations

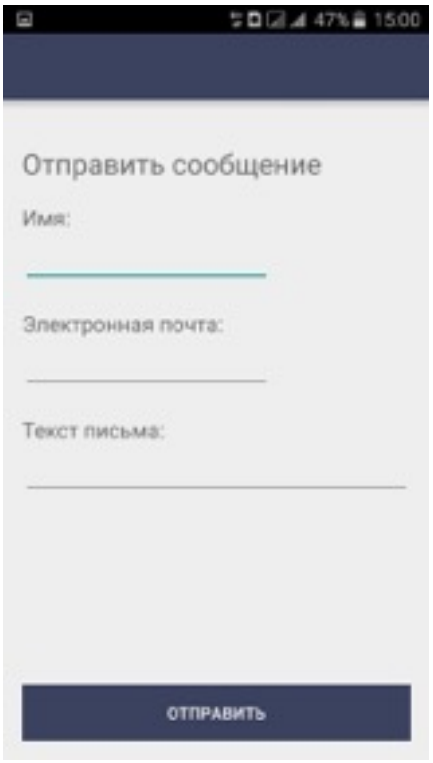
The user picks up his phone, includes an application and read the latest news that are taken from the database.

2.1.2. Major User Interface



2.1.2.1. Example Screenshot and description





2.1.3. Hardware Interfaces

// ex: Joystick

2.1.4. Software Interfaces

It is shown in sections 2.1.2 and 2.1.2.1

2.1.5. Communication Interfaces

// example: modem etc (OMIT for now)

2.1.6. Memory Constraints

// RAM, and other storage constraints (OMIT for now)

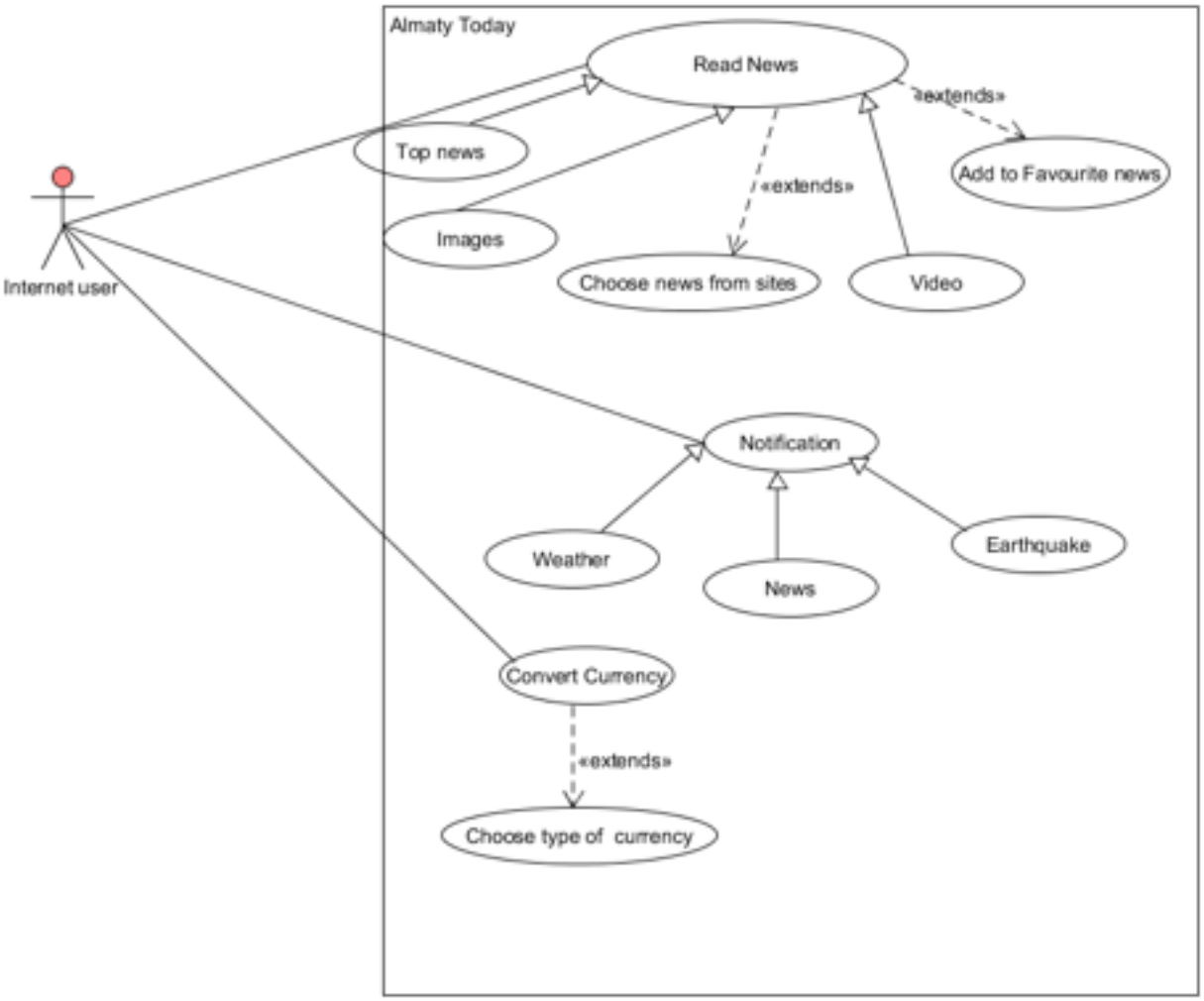
2.1.7. Operations

// special operations (if any) (OMIT for now)

2.1.8. Site Adaptation Requirements

//ex: Japanese language etc (OMIT for now)

2.2. PRODUCT FUNCTIONS



2.2.1. News

Actor: Interner User

2.2.1.1 Read news choose interesting.

2.2.1.2 Request to site.

2.2.1.3 Request to text, image, video.

2.2.1.4 Save in Database.

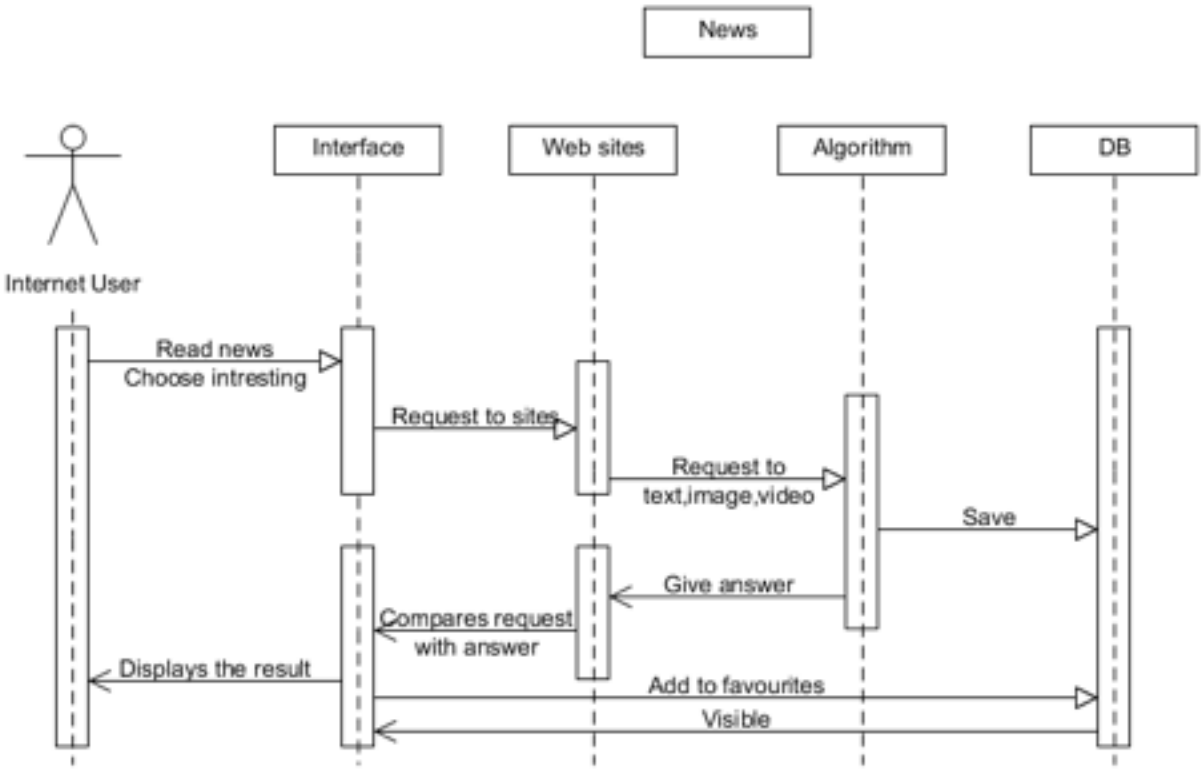
2.2.1.5 Algorithm give answer.

2.2.1.6 Web sites compares request with answer.

2.2.1.7 Display the results.

2.2.1.8 Interface add to favorites in database

2.2.1.9 Database returned in interface.



2.2.2. Weather

Actor: Internet User

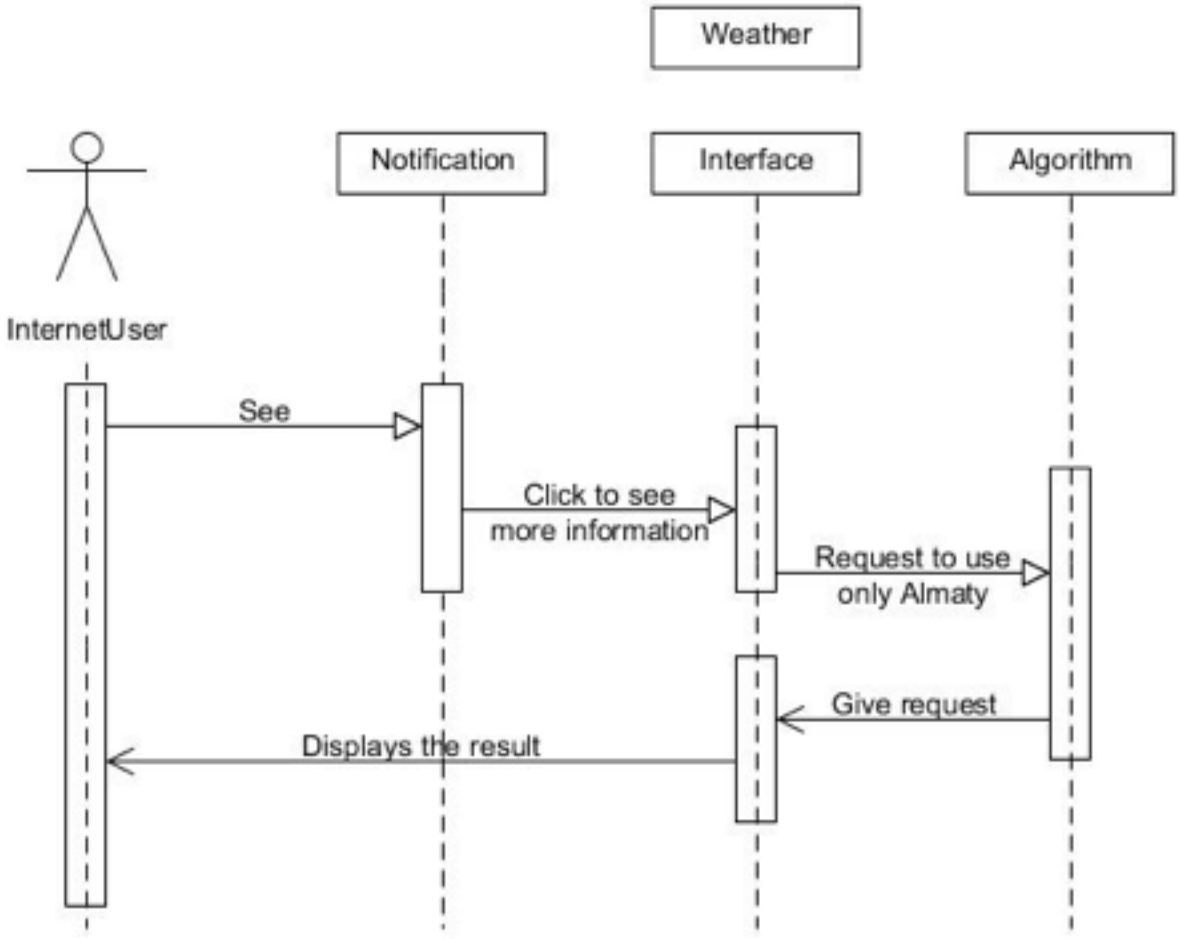
2.2.2.1 User see notification.

2.2.2.2 Click to interface and see more information.

2.2.2.3 Request to use only Almaty.

2.2.2.4 Algorithm give request.

2.2.2.5 User can see displays the result.



2.2.3. Notification

Actor: Internet User.

2.2.3.1 Actor opens the application and read news.

2.2.3.2 Application sends request in the server.

2.2.3.3 Wich the help of the algorithm learns what kind of news the user wants to see, and sends to the database.

2.2.3.4 The algorithm implementation.

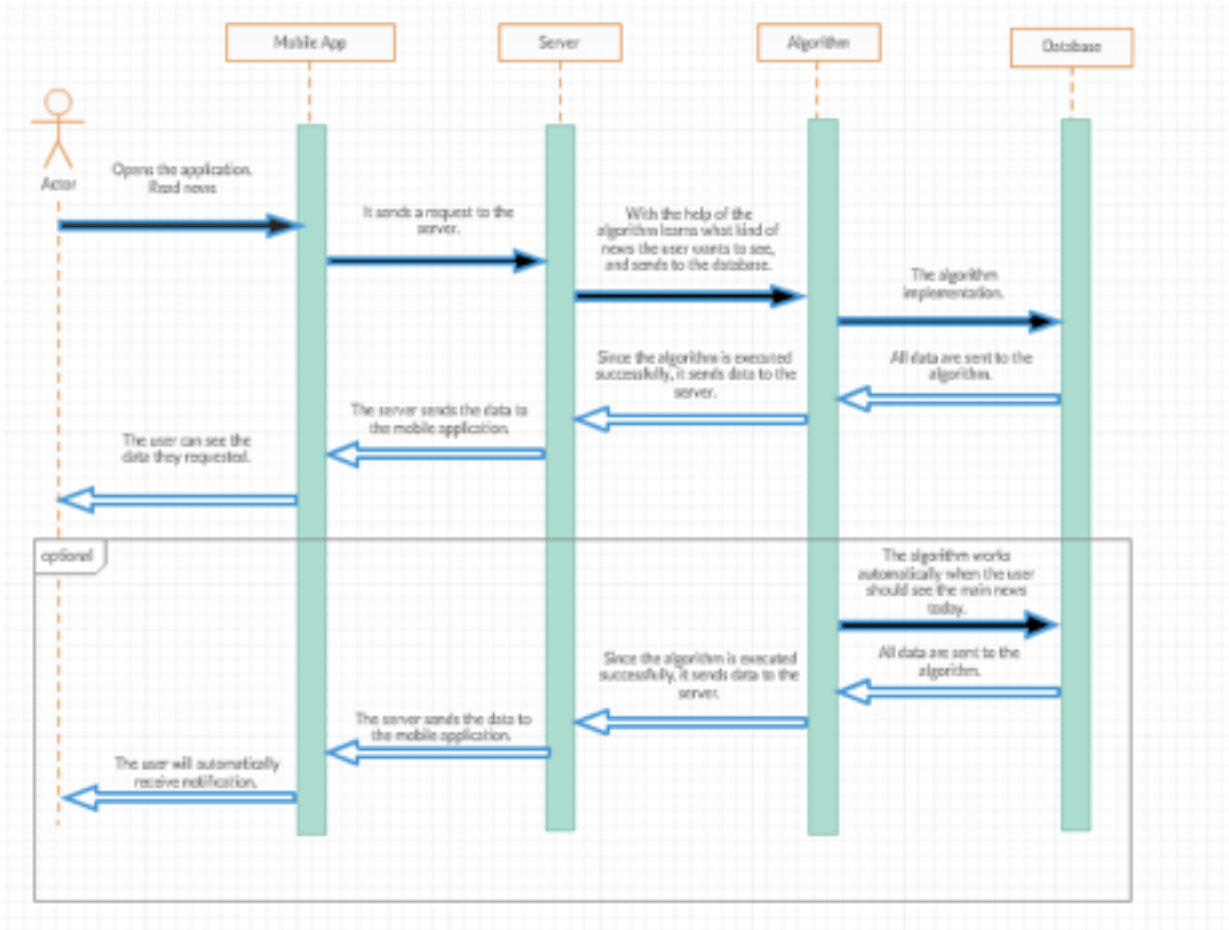
2.2.3.5 All data are sent to the algorithm.

2.2.3.6 Since the algorithm is executed successfully, it sends data to the server.

2.2.3.7 The server sends the data in mobile application.

2.2.3.8 The algorithm works automatically when the user should see the main news today.

2.2.3.9 The user will automatically receive notification.



2.2.4. Currency.

Actor: Internet User

2.2.4.1 Open the application, choose the currency.

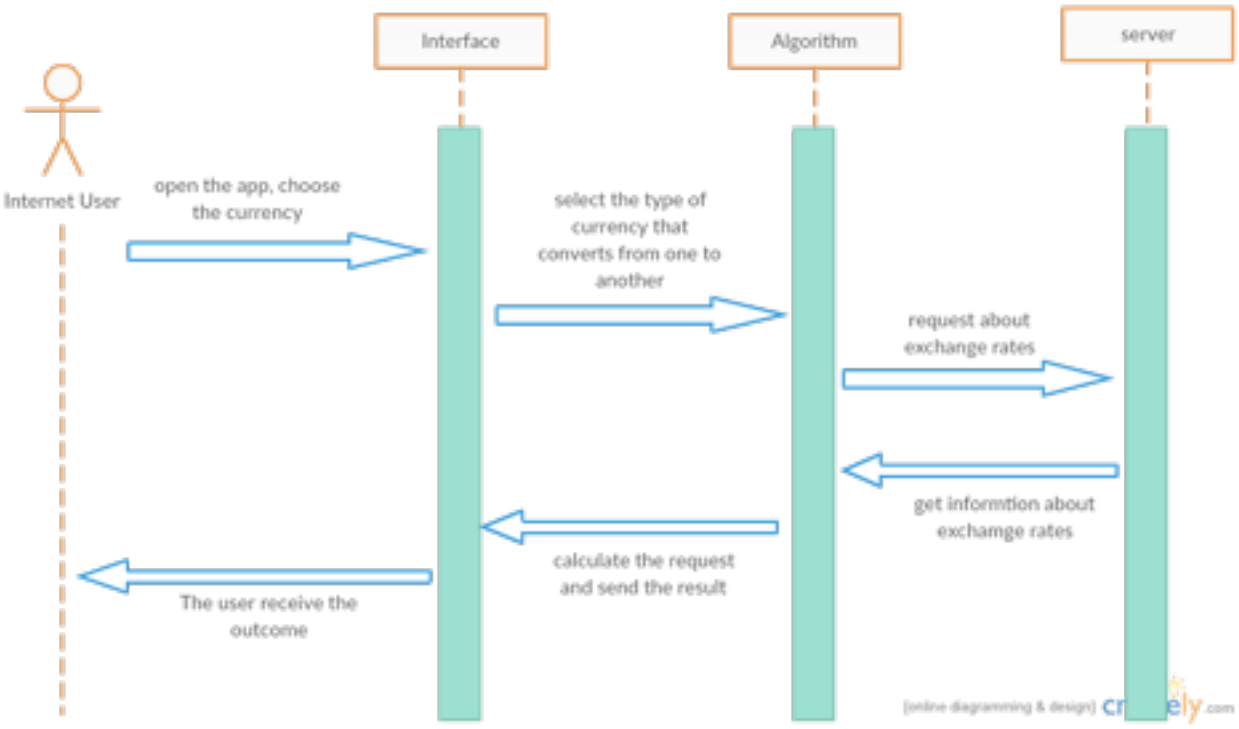
2.2.4.2 Select the type of currency that converts from one to another.

2.2.4.3 Request about exchange rates.

2.2.4.4 Sever get information about exchange rates.

2.2.4.5 Algorithm calculate the request and send the result

2.2.4.6 The user receive the outcome.



2.3. USER CHARACTERISTICS

Types	Characteristics	Frequency of usage
Internet Users	The program can see the latest news, weather and interesting facts about Almaty.	Anyone who can use the Internet.

2.4. CONSTRAINTS

// all conditions that may limit design options (INCLUDE NON FUNCTION CONSTRAINTS)

2.5. ASSUMPTIONS AND DEPENDENCIES

All our data regarding the applications are stored in the server.

3. Specific Requirements

// Here you need to put in details (if any). Mark items [None] if you do not have any information.

3.1. EXTERNAL INTERFACE REQUIREMENTS

3.1.1. User Interfaces
It is shown in sections 2.1.2.

3.1.2. Hardware Interfaces
None.

3.1.3. Software Interfaces
It is shown in sections 2.1.2 and 2.1.2.1.

3.1.4. Communications Interfaces
Since our users to watch the latest news, our program need internet.

3.2. FEATURES

3.2.1. News

Actor: Interner User

3.2.1.1 Read news choose interesting.

3.2.1.2 Request to site.

3.2.1.3 Request to text, image, video.

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3.2.4.4 Sever get information about exchange rates.

3.2.4.5 Algorithm calculate the request and send the result

3.2.4.6 The user receive the outcome.

3.3. PERFORMANCE REQUIREMENTS

Simultaneously, our program can be used by more than 150 people. And besides, the phone must be connected to the Internet.

3.4. DESIGN CONSTRAINTS

iOS, Android, MS-SQL, Parsing Algorithm.

3.5. SOFTWARE SYSTEM ATTRIBUTES

3.5.1. Reliability

3.5.2. Availability

3.5.3. Security

3.5.4. Maintainability

3.5.5. Portability

3.6. OTHER REQUIREMENTS

// ADD Appendices (if any)

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