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# Software Requierments Document for BAS application

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# 1 Introduction

## 1.1 Purpose

The purpose of this document is to provide detailed requirements information about the BAS application.

## 1.2 Scope

This document will describe the use cases and features of the BAS application.

## 1.3 DEFINITIONS, ACRONYMS, ABBREVIATIONS

Term	Description
BAS application	Name of the application described in this document.
Authorize	Log in to application
Client UI	User interface of device application
Admin UI	Interface of desktop application
Database	A database is a collection of information that is organized so that it can easily be accessed, managed, and updated.
Server	A part of application which runs on the physical server system and stores information about users, events, etc.
Client	A part of application which runs on the user's device

## **1.4 REFERENCES**

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

## **1.5 OVERVIEW**

[OMIT]

## **2 Overall Description**

BAS Application is an application for watching BAS production's product, sharing with friends, see gallery, also soundtracks and etc. Also there is function which allows to user authorize using social networks. User could like, add to favorites, comment the media.

### **2.1 PRODUCT PERSPECTIVE**

This application is similar to "THT-Club" app which also allows to user watch media. There will be able to use in iOS and Android systems. Our target to create application which will be easy and understandable to the user.

#### **2.1.1 Concept of operations**

The BAS application's server part will run on the organization's local server system. Client part of the BAS will be installed on user's device and will connect to the server through internet connection. All information about media, news and activities of the user will be stored in a database on the server side.

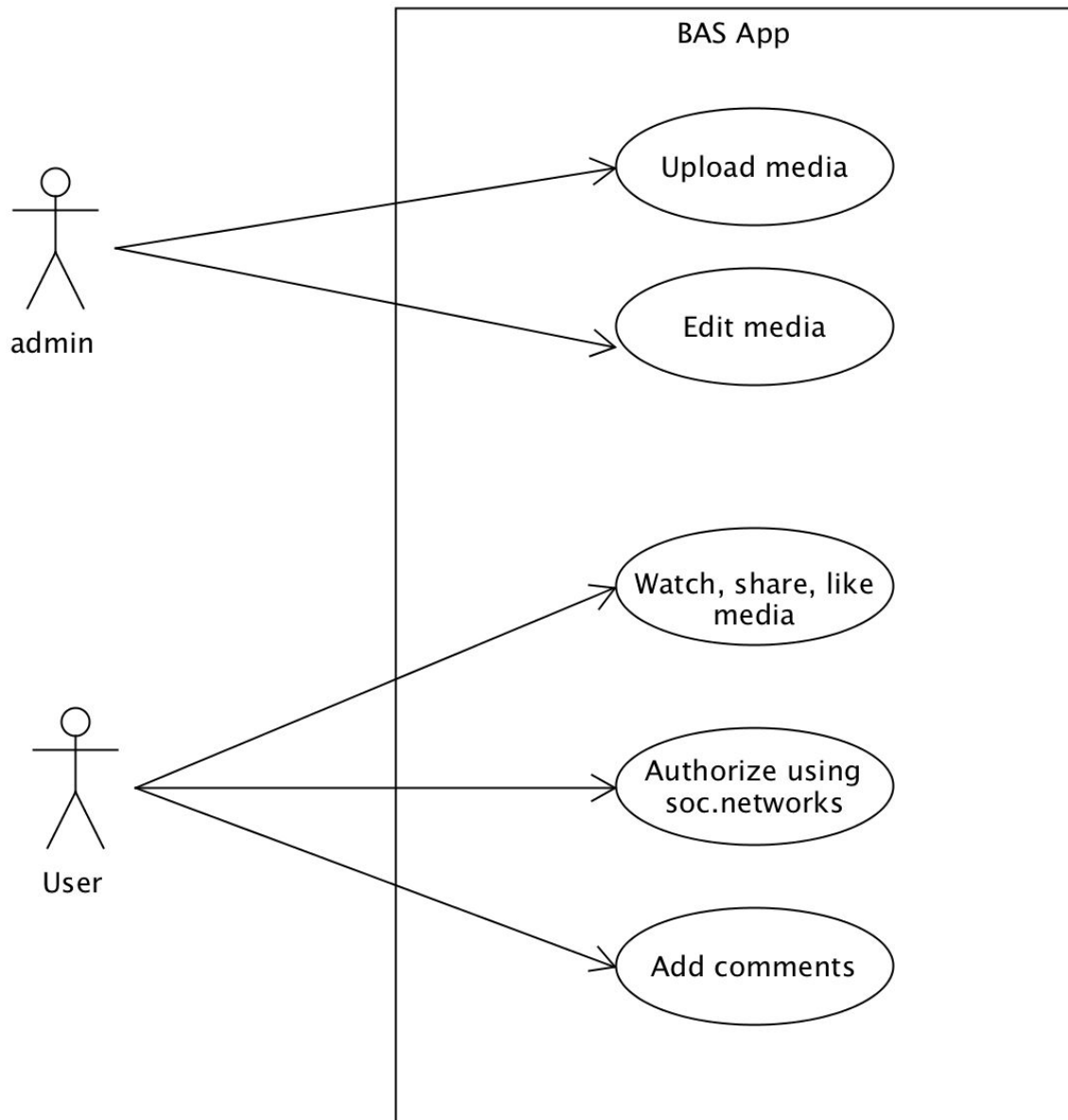
#### **2.1.2 Major User Interfaces**

Media player, comment window, share and like buttons, add to favorites.

#### **2.1.3 Hardware Interfaces**

This software requires no more than standard devices.

## 2.2 PRODUCT FUNCTIONS



### 2.2.1 Upload/Edit

Description: Admin may update/edit media using admin UI.

Actors: Admin

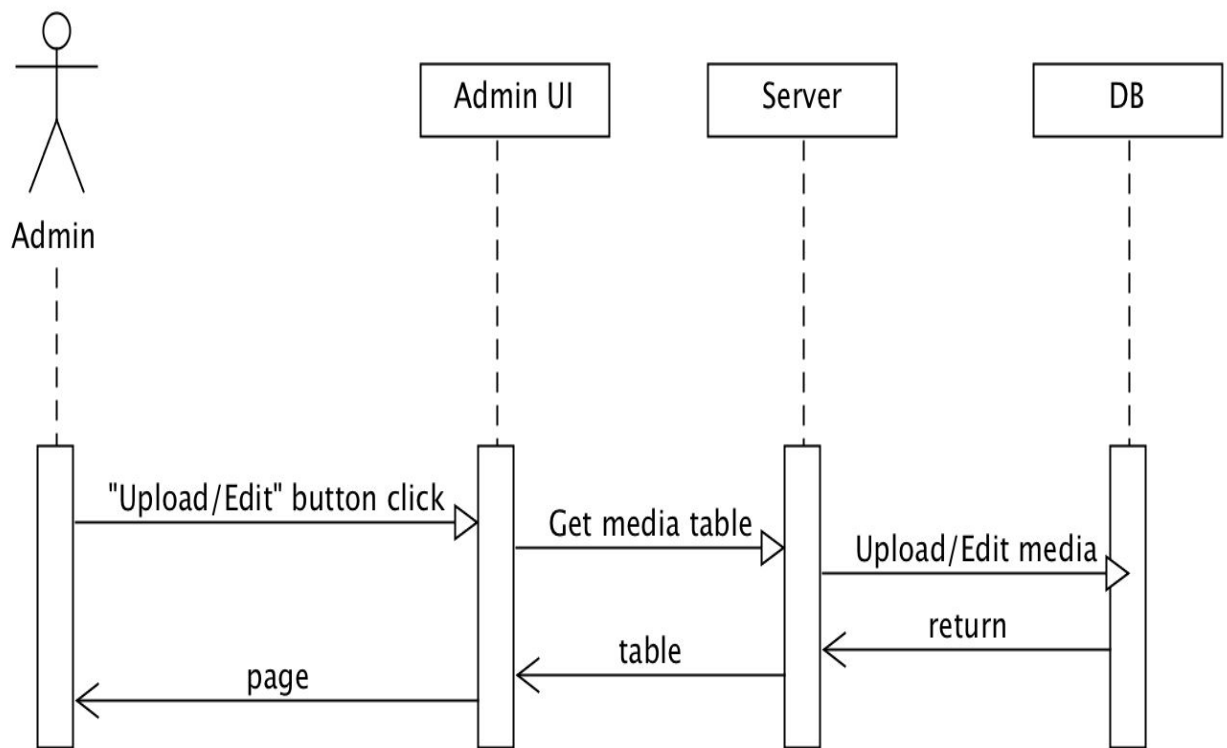
2.2.1.1 Admin edits or uploads media in UI. Submit it by pressing Enter.

2.2.1.2 Admin UI sends a command to edit/upload media to server.

2.2.1.2 Server makes a query to database.

2.2.1.3 When editing/inserting is complete, server return to admin UI appropriate message.

2.2.1.4 Admin UI receives a message from server and show it to Admin.



## 2.2.2 Authorization

Description: User authorizes to application using social network to have more functions.

Actors: User

2.2.2.1 User goes to authorization window in client UI. Choose a social network from which he wants to authorize.

2.2.2.2 Client UI sends an information about user to server.

2.2.2.3 Server makes a query for check if user information has in database.

2.2.2.3.1 If success checking, server sends to client UI a message.

2.2.2.3.2 Client UI receives a message and changes status to authorized.

2.2.2.4.1 If checking failure, server sends a failure message to Client UI.

2.2.2.4.2 Client UI receives a message from server and sends a request to social network's server.

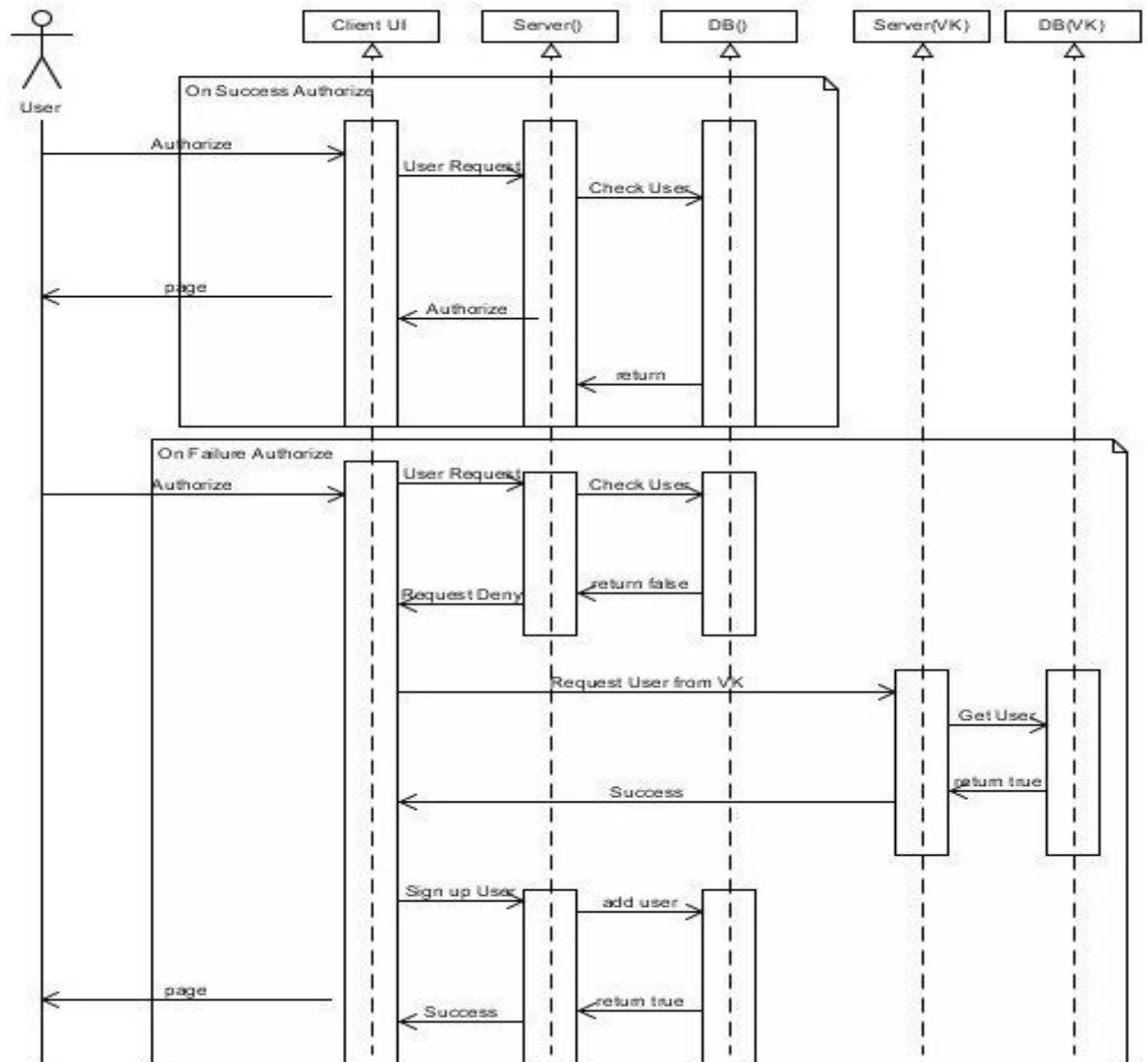
2.2.2.4.3 Social network's servers sends an information to application's server.

2.2.2.4.4 Server receives an information, then making an insert query to database.



2.2.2.4.5 When database return success, server sends an message to client UI.

2.2.2.4.6 Client UI receives a message and change status to authorized.



### 2.2.3 Watch video

Description: User can watch BAS production's products.

Actors: User

2.2.3.1 User goes to videos window in application, selects a video and press play button.

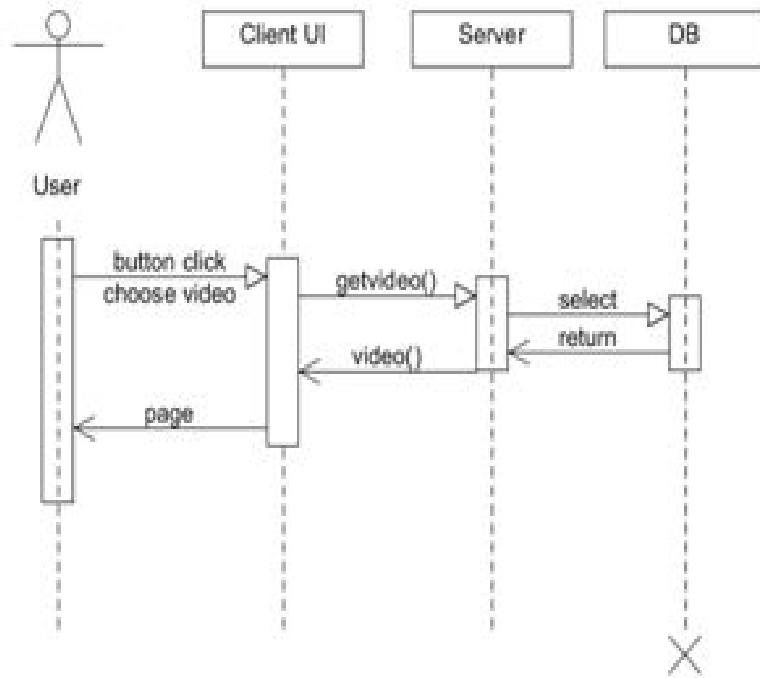
2.2.3.2 Client UI sends an information (selected video) to server.

2.2.3.3 Server makes a query to take a video from database.

2.2.3.4 If video has found, server sends a data to Client UI.

2.2.3.5 Client UI receives a data from server and show video to user.

Watch, like, share video



#### 2.2.4 Comment a video

Description: User can add a comment to BAS production's products.

Actors: User

2.2.4.1 User goes to video window, choose a video.

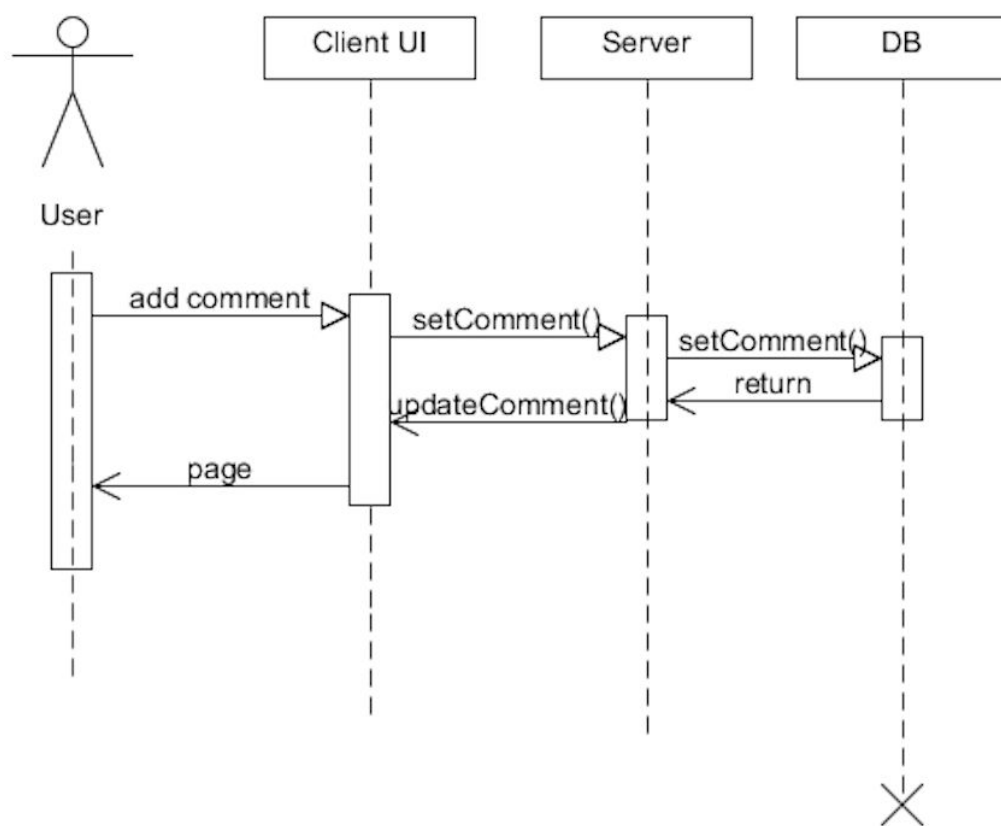
2.2.4.2 In 'Write a comment' field user writes a comment and press submit button.

2.2.4.2 Client UI sends an information (written comment) to server.

2.2.4.3 Server sends a query to database to add a coment.

2.2.4.4 If Database return success, server sends a message to client UI.

2.2.4.5 Client UI receives a message from server and update comment list.



## 2.3 USER CHARACTERISTICS

Types	Characteristics	Frequency of usage
User	Watch, like, share and comment media.	High
Admin	Delete, edit, add media.	Medium
API	Instagram, google, vk.	Medium

## 2.4 CONSTRAINTS

1. This entertaining application created for public.
2. This is an application for BAS Production.
3. Used for watch, like, share and comment media.

## 2.5 Assumptions and Dependencies

1. It is assumed that the application will be viewed within fans of BAS Production.
2. The consistency of the operations depends on the stability of the server hosting the application and the database storing media.

## 3. Specific Requirements.

### 3.1 EXTERNAL INTERFACE REQUIREMENTS

#### 3.1.1 User interfaces

Designed application.

#### 3.1.2 Hardware interfaces

User's device.

#### 3.1.3 Software interfaces

Android and iOS systems.

### **3.1.4 Communcation interfaces**

First request, then respond

## **3.2 FEATURES**

### **3.2.1 Login Page**

#### **3.2.1.1 Login success/fail**

*3.2.1.1.1 The user could choose which social network he/she uses to log in*

*3.2.1.1.2 The application goes to social networks website's log in page*

*3.2.1.1.3 The application requests permission from social network to use social network's account as application's account*

*3.2.1.1.4 The application will go to main page after user logged in*

*3.2.1.1.5 [Inverse Requirement] The system should check if user exists or not, soc. network will check*

#### **3.2.1.2 Forgot password**

*3.2.1.2.1 The application redirect to social network's web page which was chosen by user*



*3.2.1.2.2 The web page shall provide “Forget password” link in login page.*

*3.2.1.2.3 [Inverse requirement] The application shall not provide “Forget password” button*

## **3.2.2 Profile**

### **3.2.2.1 View profile**

*3.2.2.1.1 The application shall display personal information(name, surname, photo) about user which was taken from social network.*

*3.2.2.1.2 [Inverse Requirement] The social network provides all information to application*

### **3.2.2.2 Functions**

#### **3.2.2.2.1 Watched videos**

*3.2.2.2.1.1 The application stores all watched videos of user in server with database*

*3.2.2.2.1.2 The application will load all information about watched videos from database*

#### **3.2.2.2.2 Favourite videos**

*3.2.2.2.1.1 The application stores all favourite videos of user in server with database*

*3.2.2.2.1.2 The application will load all information about favourite videos from database*

#### **3.2.2.2.3 Log out**

*3.2.2.2.3.1 The application shall display message box to user that he/she is going to log out*

*3.2.2.2.3.2 The application shall log out*

### **3.2.3 News page**

*3.2.3.1 The application makes request to “BAS Production’s” profile in instagram*

*3.2.3.2 Instagram shall respond all information which was requested*

*3.2.3.3 The application displays news feed from database in server*



### **3.2.4 Gallery**

#### **3.2.4.1 Display**

*3.2.4.1.1 The user shall choice gallery inset*

*3.2.4.1.2 The application makes request to database server*

*3.2.4.1.3 Server responds to application*

*3.2.4.1.4 The application displays information which was  
responded from server*

#### **3.2.4.2 View image**

*3.2.4.2.1 The user shall click to image to view*

*3.2.4.2.2 The application shall zoom in an image which was  
clicked*

*3.2.4.2.3 [Inverse requirement] The application shall not zoom out  
an image automatically*



### **3.2.5 Video inset**

#### **3.2.5.1 Display video**

*3.2.5.1.1 The user shall choice video inset*

*3.2.5.1.2 The application makes request to database server*

*3.2.5.1.3 Server responds to application*

*3.2.5.1.4 The application displays videos which was responded from server*

#### **3.2.5.2 Video information**

*3.2.5.2.1 The user shall choice video*

*3.2.5.2.2 The application makes request about video information to database server*

*3.2.5.2.3 Server responds to application*

*3.2.5.2.4 The application shall display video information was responded from server*

#### **3.2.5.3 Functions of video information**

#### **3.2.5.3.1 All series**

*3.2.5.3.1.1 The user shall click a button of all series of video*

*3.2.5.3.1.2 The application makes request about all series of video to database server*

*3.2.5.3.1.3 Server responds to application*

*3.2.5.3.1.4 The application shall display all series that was responded from server*

#### **3.2.5.3.2 Soundtracks**

*3.2.5.3.2.1 The user shall click a button of soundtracks of video*

*3.2.5.3.2.2 The application makes request about soundtracks of video to database server*

*3.2.5.3.2.3 Server responds to application*

*3.2.5.3.2.4 The application shall display soundtracks that was responded from server*

#### **3.2.5.3.3 Actors**

*3.2.5.3.3.1 The user shall click a button of actors of show.*

*3.2.5.3.3.2 The application makes request about current actors of show.*

*3.2.5.3.3.3 Server responds to application*



3.2.5.3.3.4 The application shall display list of actors that was responded from server

### **3.2.6 Watch video**

*3.2.6.1 The user shall choice video inset*

*3.2.6.2 The application makes request to database server*

*3.2.6.3 Server responds to application*

*3.2.6.4 The application displays videos which was responded from server*

*3.2.6.5 The user shall choice video*

*3.2.6.6 The application makes request about video information to database server*

*3.2.6.7 Server responds to application*

*3.2.6.8 The application shall display video information was responded from server*

*3.2.6.9 The user shall click a button of all series of video*

*3.2.6.10 The application makes request about all series of video to database server*

*3.2.6.11 Server responds to application*

*3.2.6.12 The application shall display all series that was responded from server*

*3.2.6.13 The application launch video player*

*3.2.6.14 The user shall click play button to watch video*

*3.2.6.15 The application upload video from server*

### **3.2.7 Share/Like video**

*3.2.7.1.1 The user shall choice video inset*

*3.2.7.1.2 The application makes request to database server*

*3.2.7.1.3 Server responds to application*

*3.2.7.1.4 The application displays videos which was responded  
from server*

*3.2.7.1.5 The user shall choice video*

*3.2.7.1.6 The application makes request about video information to  
database server*

*3.2.7.1.7 Server responds to application*

*3.2.7.1.8 The application shall display video information was  
responded from server*

*3.2.7.1.9 The user shall click a button of all series of video*

*3.2.7.1.10 The application makes request about all series of video  
to database server*

*3.2.7.1.11 Server responds to application*

*3.2.7.1.12 The application shall display all series that was  
responded from server*

*3.2.7.1.13 The application launch video player*

*3.2.7.1.14 The play button will be available*

*3.2.7.1.15 The user will be able to share/like video*

### **3.2.7.2 Like video**

*3.2.7.2.1 The user clicks “Like” button*

*3.2.7.2.2 The application sends request to server that video was liked*

*3.2.7.2.3 The server will respond to application*

*3.2.7.2.4 The “Like” button shall change color*

### **3.2.7.3 Share video**

*3.2.7.3.1 The user clicks “Share” button*

*3.2.7.3.2 The application requests to social network from account in application*

*3.2.7.3.3 Social network asks permission to allow share video*

*3.2.7.3.4 The user shall allow to share video in feed of social network web page*

### **3.2.8 Search function**

*3.2.8.1 The user click on search icon, writes a keyword.*

*3.2.8.2 The application shall request to server keywords.*

*3.2.8.3 The server will respond to application.*

*3.2.8.4 Search results will shown in activity.*

### **3.2.9 Comment video**

*3.2.9.1 The user writes a comment under video, then press submit button.*

*3.2.9.2 The application shall request to server to edit comment list.*

*3.2.9.3 The server will respond to application.*

*3.2.9.4 The application will show updated comment list to user and notify him/her that commend was added.*

### **3.3 PERFORMANCE REQUIREMENTS**

1. Powerful Server to run media on the applicatoin.
2. Must have fast internet connection.

### **3.4 DESIGN CONSTRAINTS**

Server API, Instagram, VK, Google API's, Android Studio, XCode, Java, Swift.

### **3.5 SOFTWARE SYSTEM ATTRIBUTES**

3.5.1 Reliability

3.5.2 Availability

### 3.5.3 Portability

## **3.6 OTHER REQUIREMENTS**

[None]