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# **Software Requierments Document for BAS application**

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**Group : #9 (BlowApp)**

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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.

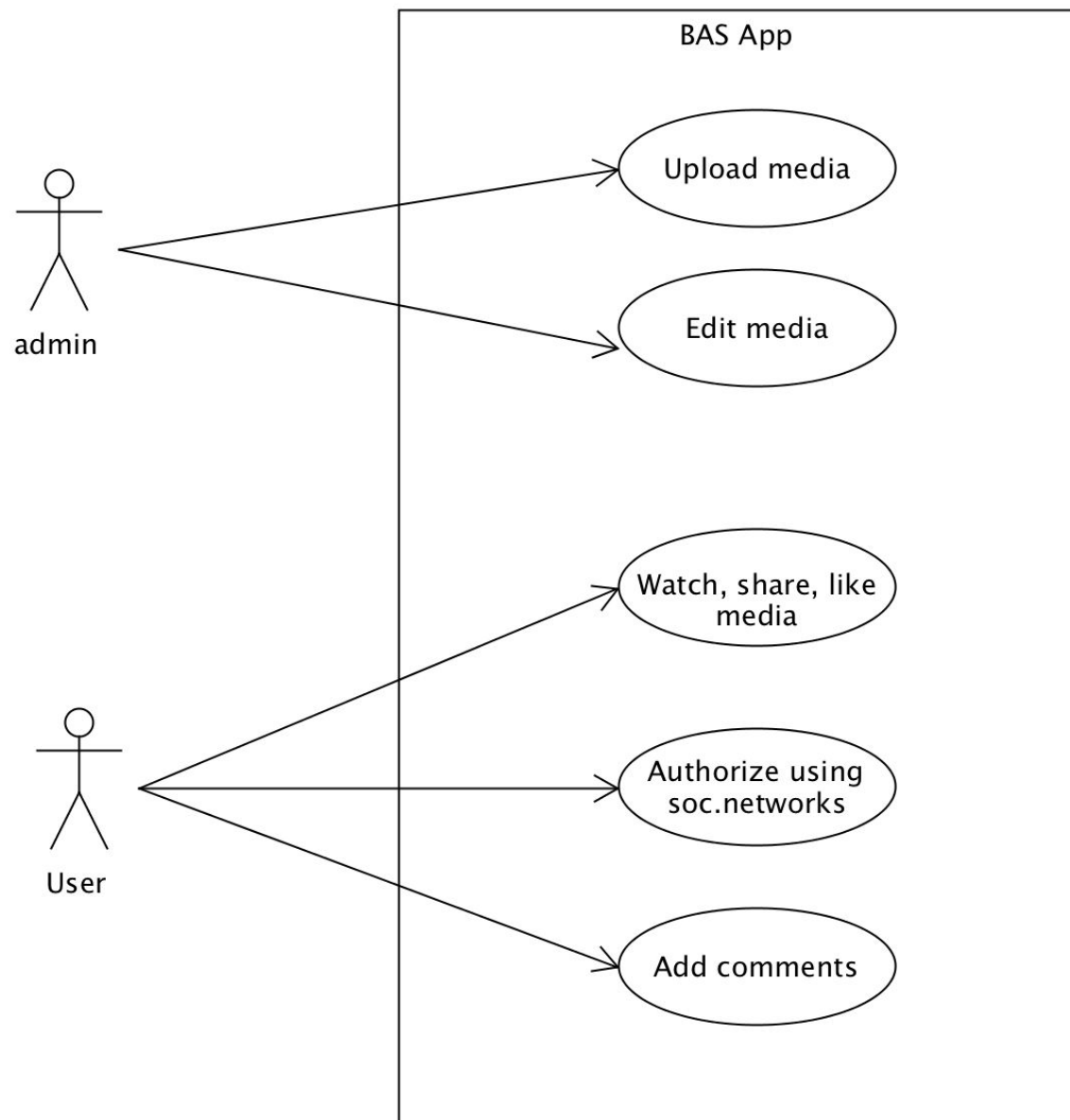
#### **2.1.2 Major User Interfaces**

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

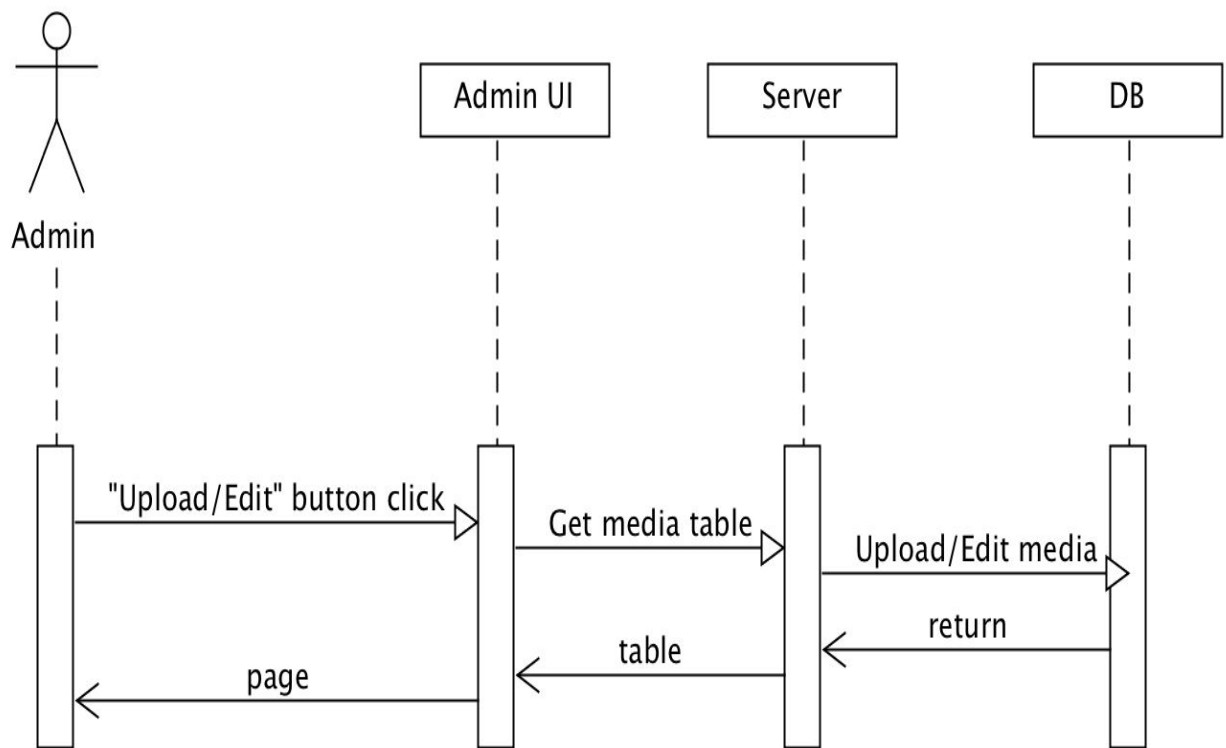
2.2.1.1 Admin edits or uploads media in UI. Submit it by pressing Enter.

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.

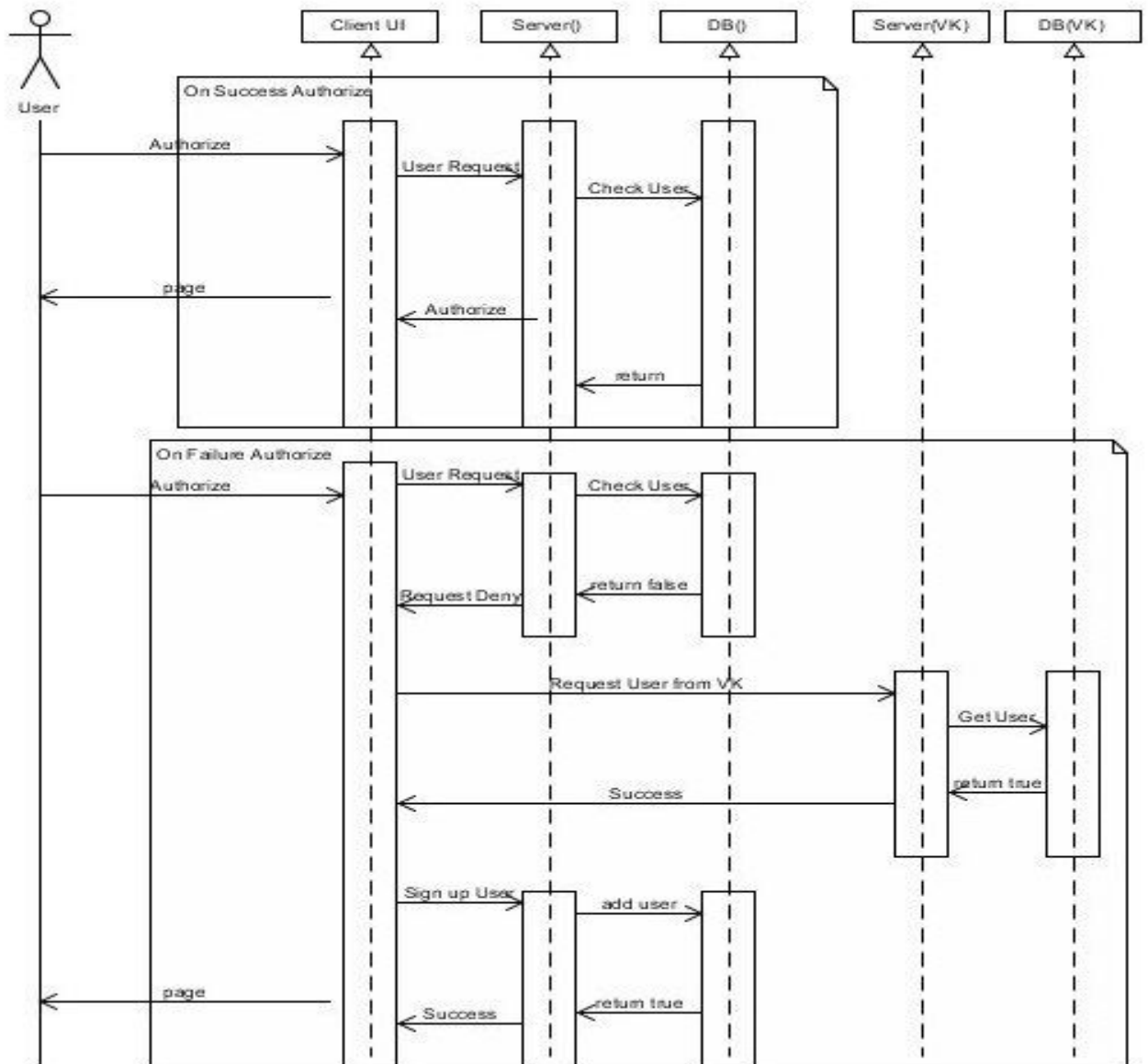
2.2.2.4.3 Social network's servers sends an information to application's server.

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.

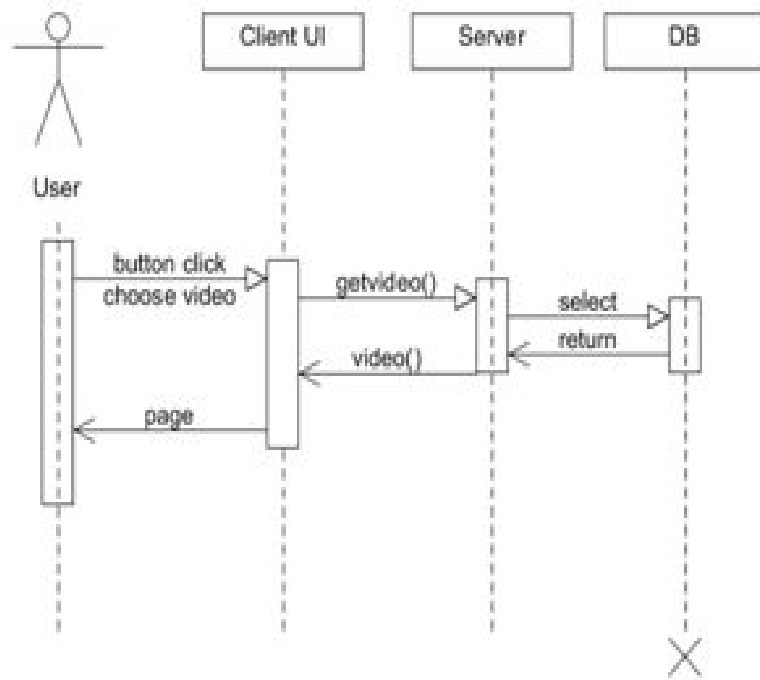
2.2.3.2 Client UI sends an information (selected video) to server.

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.

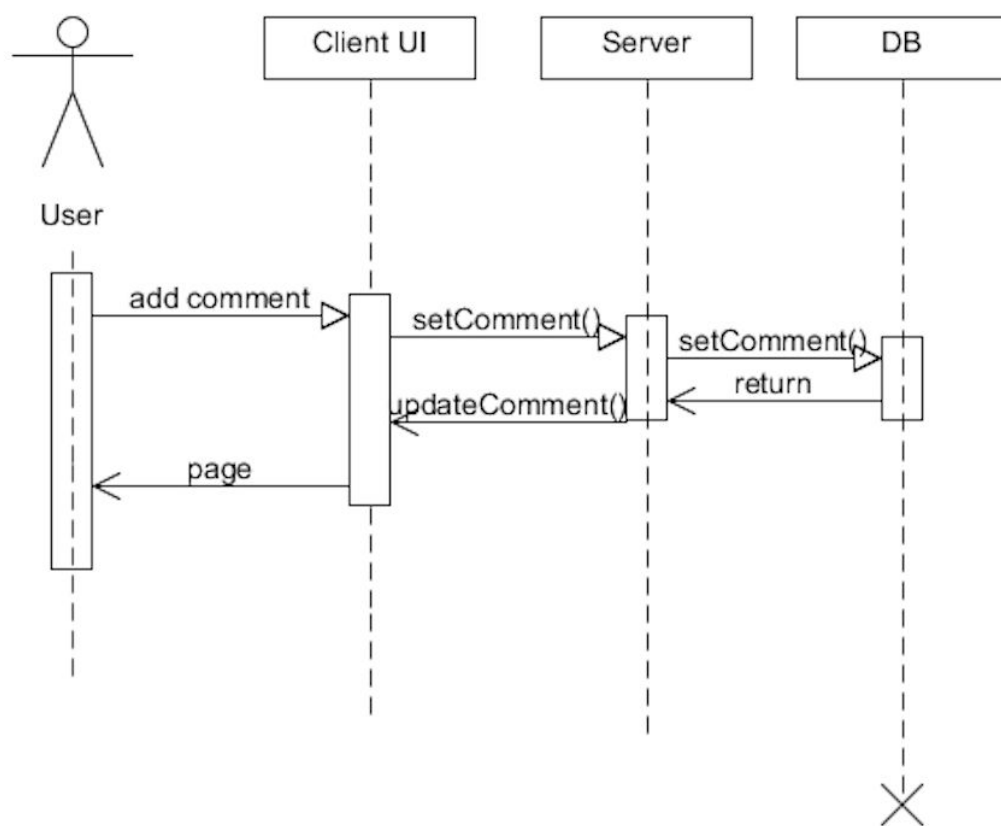
2.2.4.2 In 'Write a comment' field user writes a comment and press submit button.

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**

1. Device on iOS or Android operating system.
2. PC for admin.
3. Internet connection.
4. Virtual keyboard, touchscreen.

## **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]