Software Requirements Specification

For

<Khabree ghorchan>

Version 1.0 approved

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Revision History

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| **Name** | **Date** | **Reason For Changes** | **Version** |
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# Introduction

## Purpose

This document contains all the necessary details about Khabree ghorchan functions.

Why should we develop this system?

All media news website in one app for android and ISO (Khabree ghorchan):

Browse and read all media news in on Khabree ghorchan app which contains all national news website this is a local and national news app provides the latest news feeds and updates in different news categories.

This news app support around the country and some specific international media news and safe the time of the media adviser and people.

That’s why we are going to perform all the media news in one app:

* Load all news app fast and save time.
* Help with media adviser to see Break news
* Help with people to check one news in all different media news very fast

## Document Conventions

No specific conventions have been added to the SRS document.

## Intended Audience and Reading Suggestions

This document is intended and prepared for the system developers and testers.

The reading sequence is as it is. All the readers should start from the beginning to the end.

## Project Scope

The system will have admin. the admin to manage all the premier activities across the system which he can be able

* Manage the Media
  + Add Media
  + Delete Media
* Manage the Media news
* Manage UI
* Mange like
* Manage share
* Manage Profile

The system will keep different media news and also admin add or remove some specific other media.

The system will keep the data of the media news website and also manage them (Tolo news, VOA news, eruo news, BBC news, ATN news, Sobeh\_kabul news, RadioAzadi news,).

The system will keep information about the app and manage the UI of this app.

The system will keep like, share and manage them.

Admin can change his password, username and profile .

## References

Currently no other references are available for the SRS document.

# Overall Description

## Product Perspective

Khabree ghorchan are already does not exist and developed in our country. Based on these systems we will develop our own system. We will use their external interfaces for better development.

## Product Features

* To Collect all media in one app
* To Load all news fast and save time.
* To Search, Like and Share news

## User Classes and Characteristics

1. Admin:

* Manage the Media
  + Add Media
  + Delete Media
* Manage the Media news
* Manage UI
* Mange like
* Manage share
* Manage Profile

1. End users:

* Read news
* Search news
* Like news
* Share news

## Operating Environment

This system will be run on android and ISO system.

## Design and Implementation Constraints

<Describe any items or issues that will limit the options available to the developers. These might include: corporate or regulatory policies; hardware limitations (timing requirements, memory requirements); interfaces to other applications; specific technologies, tools, and databases to be used; parallel operations; language requirements; communications protocols; security considerations; design conventions or programming standards (for example, if the customer’s organization will be responsible for maintaining the delivered software).>

## User Documentation

Video tutorials and tips will be prepared for the users in order to have a good **using** experience from our system.

## Assumptions and Dependencies

1. All the user must have basic understanding about phone and web browsing if not then it will cause risk.
2. All the users must have stable internet connection if not then they will not be able to see fresh news.
3. This system will have different modules so the interconnection is important, if not then it will lead the system to failure.

## Placing an Order

3.1.1 Description and Priority

This feature will provide functionality to the end users to search the different media news in one app and can like and share it.

3.1.2 Stimulus/Response Sequences

First end user clicks on the app then choose the specific media to the read news. End user can read the, news watches the news, see photo of the news and also can share and like the specific news of the specific from media.

3.1.3 Functional Requirements

REQ-1: The system should provide an interface for the end user to the open app and search specific news and read it.

REQ-2: The system should provide the option for end user to share news.

REQ-3: The system should provide the option for end user to like news.

REQ-4: The system should provide

REQ-5: The system should provide for the end use cancel his like that gave for a news.

# External Interface Requirements

## User Interfaces

1. Click on the app to open

2. There will be a screen displaying different media news like:(BBC, Tolo new).

3. The end user also can search the news. If the end user selects the one media, there will be see the media news after that end user can like and share that news.

4.End user can go to the setting and change some UI for own.

## Hardware Interfaces

The System must run over the internet; all the hardware shall require to connect internet will be hardware interface for the system. As for e.g. Modem, WAN – LAN, Ethernet Cross-Cable.

## Software Interfaces

The system is on an app mobile it requires the any scripting language like Dart. The system requires Database also for the store the any transaction of the system like SQLite. the system will work on android and ISO system. The system will be creating on flutter framework.

## Communications Interfaces

<Describe the requirements associated with any communications functions required by this product, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

# Other Nonfunctional Requirements

## Performance Requirements

In order to maintain an acceptable speed at maximum number of uploads allowed and any number of users can access to the system at any time.

Also the connections to the servers will be based on the attributes of the user like his location and server will be working 24X7 times.

Better component design to get better performance at peek time.

## Safety Requirements

For keeping the system save from any loss, damage, or harm unauthorized users access should be denied. System users should use a password and these passwords should not be easy but they should contain different characters and they should be difficult to assume. System should encrypt the passwords using a hashing method for example hash2, injection method.

## Security Requirements

The system’s back-end servers shall only be accessible to authenticated administrators.

Sensitive data will be encrypted before being sent over insecure connections like the internet.

For the authorization, these passwords will be encrypted and stored on database. For the authentication issue roles will be defined. All users will have a role and there will be specific privileges for each user.

## Software Quality Attributes

## Reliability

The reliability of the overall program depends on the reliability of the separate components. The main pillar of reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes.

## Availability

The system should be available at all times, meaning the user can access it using mobile app, only restricted by the down time of the server on which the system runs. In case of a hardware failure or database corruption, a replacement page will be shown. Also in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24 X 7 availability.

## Portability

The application is an app mobile and scripting language based. So the end-user part is fully portable and any system using any end user of the mobile should be able to use the features of the system, including any hardware platform that is available or will be available in the future.

An end-user will use this system on any OS; either it is android or ISO.

Appendix A: Glossary

<Define all the terms necessary to properly interpret the SRS, including acronyms and abbreviations. You may wish to build a separate glossary that spans multiple projects or the entire organization, and just include terms specific to a single project in each SRS.>

Appendix B: Analysis Models

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>

Appendix C: Issues List

< This is a dynamic list of the open requirements issues that remain to be resolved, including TBDs, pending decisions, information that is needed, conflicts awaiting resolution, and the like.>