433235751 Srs Document for Instagram

Non Destructive Testing (Vellore Institute of Technology)

Software Requirements Specification

For

Instagram

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Introduction

- SRS stands for *Software Requirement Specification.*

- This document is prepared in order to determine the software requirement specification for Instagram.

- Instagram is a social networking system which provide us to share, like and comment in photos, videos and other posts.

- In this system one can follow other people by sending them follow request.

- We can connect to the world via this system.

- For all these first we have to create an account in Instagram by providing required data needed for it.

Overall Description

In this section the background description of the system should have will provided.

Product Prospective:

Instagram is an independent and world-wide network system. Every person can use it without any cost. People from different region of the world can connect to each other via this system.

Product Function:

After creating an account using instagram people can search for each other and follow them. After sending follow request the can see each other posts such as photos, videos, newsfeeds etc. They can like, comment, share each other posts. They can also chat with each other.

User Characteristics:

Instagram does not require any computer knowledge to use it.
Any one can use it very easily.

Design And Implementation:

Being a social networking system it's design should be perfect an attractive.
It should be secure enough so that the users data and their personal
informations should not be leaked and those should be securely preserved
In the system.

External Interface Requirement

Interface Requirement:

Various interfaces for instagram could be-

    1.Login page

    2.Home page

    3.There will be screen displaying like ,search ,comment etc.

Hardware Interface:

The whole system run over internet. Without internet connection the system will not work. All the hardware should be connected to internet such as wifi.

Software Interface:

The system in on server so there will be some scripting languages such as PHP, HTML, VBScript etc. Data base is also required for the storage purpose of any transaction like MYSQL.
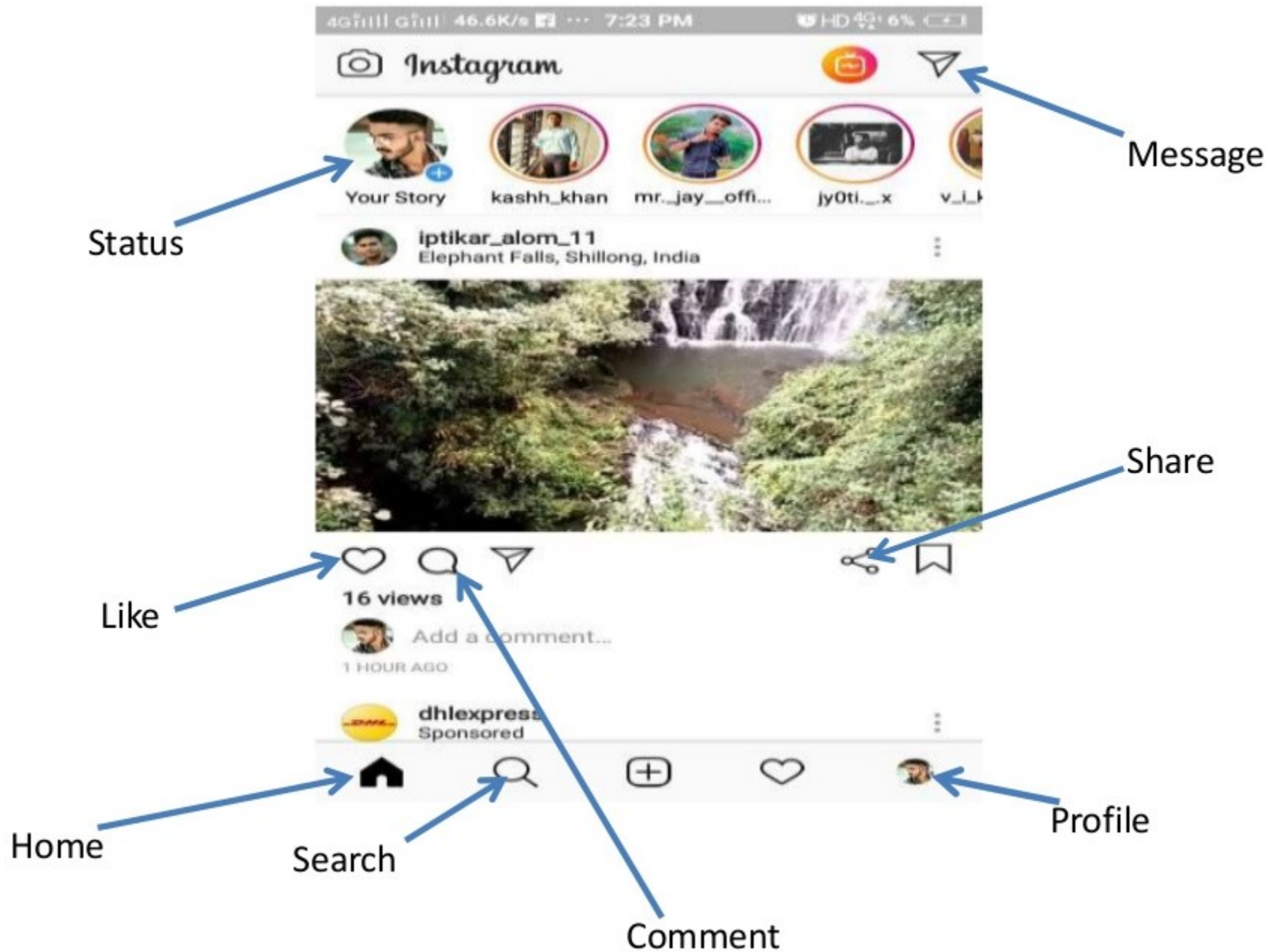
Fig: *Logo*

Fig: *Log in page*

Message

Status

Share

Like

Home

Search

Comment

Profile

Specific Requirements

In this section all software requirements will be explain some information to the user.

All requirements are divided into two groups-

a. Functional

b. Non-Functional

a. Functional Requirements:

A functional requirement defines the function of a system or it's components.

FR 1-Create Account:

The user can simply sign in using Facebook account or create a new account by providing required personal informations about himself/herself. After creating the account it will display account create successfully.

FR 2-Searching Friend:

Search for those people whom the user wants to follow.

FR 3-Sending Follow Request:

After finding the people the user can send him or her the follow request and others can also send follow request to the user.

FR 4-Accepting Follow Request:

After sending follow request if they accept the follow request then both of are able to see, like, share, comment on their posts.

FR 4-Uploading Photos, Videos:

To upload any photo or video first select the respective file from the gallery if someone wants to edit they can. After editing the can simply share the photo or the video or any other text posts.

FR 5-Creating Business Account:

There are two types of account in instagram-

          a. Personal Account

          b. Business Account

One can simply turn their personal account to the business account by connecting their account to a facebook page to that personal account.

FR 6-Uploading Status:

The user upload his or her status. They can either upload photo or a video in the status section. They can also share some text in the status section.

FR 7-Edit Profile:

In this very section the user can update or edit their profile informations. One can update his/her bio or upload a new display picture of his/her own or upload some link, their birth day, hoby and any other personal information.

FR 8-Like, Comment, Share:

The users can like each others posts, they can write something in the comment section, they can even share others posts.

FR 9-Sending message:

After becoming friends the can send message to each other by going in the message section.
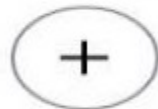
Edit Profile

FR 10-Video Calling:

Users can also video call to each other so that they can see each others face and by that friendship between them become more strong.

b. Non-Functional Requirements:

Security:

the system use SSL(secured socket layer) in all transactions that includes any other confidential passenger information. The system should such secure that it should not show any cookies regarding the password or the username of the user so that no one rather than the user can access the system.

Reliability:

The system provides database for storage for all kinds of device whether it is a computer or mobile or something else. The reliability of the whole system depends on the reliability of the separate components. The system should be such reliable that it should not crash or hang during the use by the user.

Maintainability:

There are many people those are there for the maintenance purpose of the system. They can be software engineers or team of hackers. They are their to take care of that if there is some problems regarding the system or not.

Portability:

The system consist of scripting languages such as PHP,HTML etc. It should run on any device and any platform or in any operating system whether it is windows, OS or android .

Data Flow Diagram(DFD)

THANK YOU