



# Social Networking App Functional Specification

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# Introduction

This application is an app designed for Android on a mobile tablet device. This app is designed to combine Facebook, Google+ and Twitter social networks together. The app will allow users to access all the news feeds from each Social network on one screen, it will also allow for users to upload statuses, video and photos to each social network at once.

# Features

The core features of the application are:

- Upload Video to all Social networks at once
- Upload Photos to all Social networks at once
- Update users status to all Social networks at once
- View all news feed from each Social networks at once

Other features:

- Changing news feed update timer
- Allow users change password

# GUI Prototypes



Prototype User Interface for Viewing News Feeds



Prototype User Interface for uploading video

# Stakeholders Description and Goals

“While a tablet of this kind is a great way to experience the web, view photos and videos and use a host of applications, it is also rapidly becoming a business tool. According to a recent Zogby International poll, the number one reason U.S. consumers would use an Apple iPad is so they can work on the go.” [User01]

The stakeholders for the social media app are Business People, Adults and young people. [User02]

## 2.1 Business people

In today’s world Tablet devices are a common day item for business class workers. This app would allow businesses to easily update their pages to update their companies information in one click rather than three, and would allow them to see what current followers and customers think more easily, than checking three different accounts

Benefits of this application for business people

- Fast viewing of all news feeds from potential customers
- Fast viewing of all news feeds of rival businesses
- Allows user to update followers of the company’s current affairs

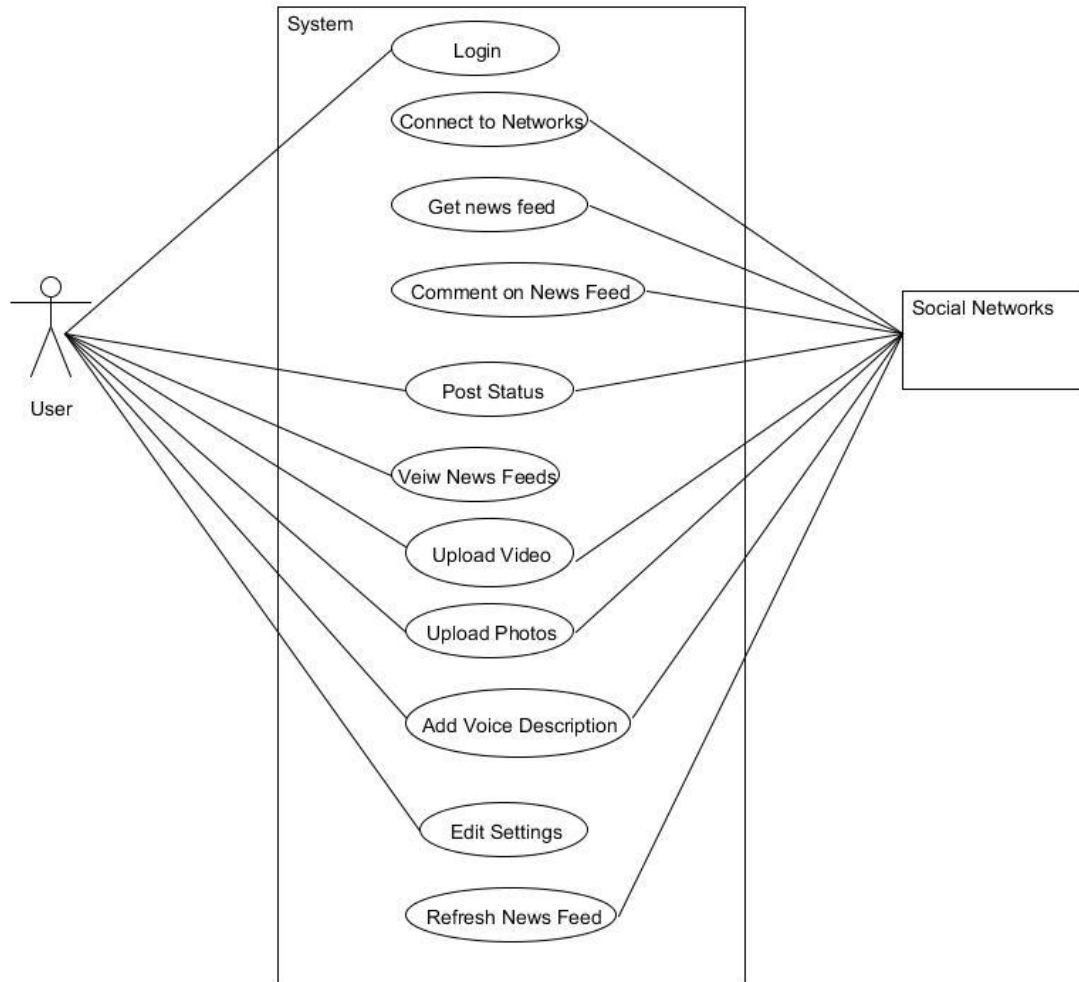
## 2.2 Teenagers

In today’s world the youth of this generation would most likely have an account on all of the most popular social media site to keep up to date with friends and current interests. This application would serve a need to show all their new feeds from friends and interest in one, rather than three.

Benefits of this application for Teenagers

- Fast viewing of all news feeds from users friends
- Fast viewing of all news feeds from users current interests
- Allows user to update followers and friends of current activites

# Use Cases



# Brief Use Cases

## Use Case: Login to App

Actor: User

Description:

This use case begins when the user starts the app. The user is prompted to enter their user password.

## Use Case: Connect to Networks

Actor: User, Social Networks

Description:

This use case begins when the user signs into the application. A connection is made to the users Google+, Facebook and Twitter accounts if they have their details set up on the app.

## Use Case: Get news feed

Actor: Social Networks

Description:

This use case begins after a connection has been made to the each of the Social networks. The application retrieves the latest news feeds from each of the social networks.

## Use Case: Comment on News feed

Actor: User, Social Networks

Description:

This use case begins when the user selects an entry in the list of news feed they wish to comment on. The user then enters their message in the textbox supplied. The message is then uploaded to the social network.

## Use Case: Post Status

Actor: User, Social Networks

Description:

This use case begins when the user enters a message in the status update textbox. When the user selects to post the message, the message is then uploaded to the users account.

## Use Case: View News Feeds

Actor: User

Description:

This use case begins after the app has retrieved and displayed to the device. The user can scroll through the list of news feeds by using the touch function of the device.

## Use Case: Upload Video

Actor: User, Social Networks

Description:

This use case begins when the user selects a video to be uploaded. The application then converts the video to the quality the user has selected then begins uploading the video to the accounts.

## Use Case: Upload Photo

Actor: User, Social Networks

Description:

This use case begins when the user selects a Photo to be uploaded. The application then connects to the Social Network accounts and begins uploading the photo to the accounts.



## **Use Case: Add Voice Description**

Actor: User, Social Networks

Description:

This use case begins when the user starts the audio recorder. The user records their message and stops the recorder when finished. Then if the user is happy with their message they can then upload the recording to the social networks.

## **Use Case: Edit Settings**

Actor: User

Description:

This use case begins when the user selects the settings option. The user can set and change their account details, and set the way the application updates the news feeds.

## **Use Case: Refresh News Feeds**

Actor: Social Networks

Description:

This use case begins when the app checks the refresh time, the app then gets new news feeds from the social networks and adds them to the top of the news feeds list

# Detailed Use Cases

Name: Connect to Networks

Actor: User Actor: User, Social Networks

Description: This use case begins when the user signs into the application. A connection is made to the users Google+, Facebook and Twitter accounts if they have their details set up on the app.

Main Success Scenario:

1. The application sends a connection request to the social networks, providing the users account detail and the applications unique ID
2. The Social networks responds, acknowledging the applications request

Alternatives:

- 2a. The Social networks do not acknowledge one or more of the details supplied by the application.
  1. Error is displayed to the user stating the error occurred.
  2. The application allows the user to fix the problem.
  3. Go back to main step 1

Name: Get News Feeds

Actor: Social Networks

Description: This use case begins after a connection has been made to the each of the Social networks. The application retrieves the latest news feeds from each of the social networks.

Main Success Scenario:

1. The social networks send the users news feed to the application
2. The application displays all of the news feeds to screen in date order.

Alternatives:

2a There are no news feeds

1. The app continues as normal

Name: Login to App

Actor: User

Description:

Main Success Scenario:

1. The user enters their password
2. The user is logged into the app

Alternatives:

1a. The user does not have an account.

1. The user can create an account
2. User creates an account
3. Go back to main step 2

2a. The users password was incorrect.

1. An error message is displayed and the user is prompted to enter password again
2. Go back to main step 1

## 5. Supplementary Specs

### 5.1 Hardware

Android Tablet with 10.1" screen

#### 5.1.1 Android Compliance

The Android app will be Android Honeycomb 3.1 Compliant

### 5.2 Functionalities

The key functionalities of this application are

- Accessing multiple Social Networking Sites and displaying the information from all on one screen.
- The uploading of videos and photos to the users accounts fast and efficiently

### 5.3 Usability

Icons must be self explanatory. Help file must have relevant information, and must be easily understood by the user.

The menu structure needs to be simple to navigate through. The user should be able to learn easily how to move around the app.

The app should respond quickly to the users requests. When the app is connecting to each social network it has to be as fast as the users internets speed will allow, this will also be the same for retrieving the news feeds, the app should only take a few seconds to download them and display to the screen

## 5.4 Reliability

The features of the application that need to be reliable are:

- Connecting to the different accounts
- Status update to post on all of the social networks
- Video quality upload
- News feed display
- Account data stored

## 5.5 Performance

The application should be fast and efficient. The retrieval of news feeds from the users accounts should be efficient and at gathering all the feeds together and displaying the on screen to the user in order. The news feeds should be accessed as soon as the application has connected to the accounts on the various sites.

Since the device that will be running this application will be connecting to the internet through wi-fi, uploading speed should not be an issue; however video files must conform to the sites size guideline and also be reasonably fast at uploading the video file.

## 5.6 Supportability

The application will be supported on Android tablet devices running Honeycomb version 3.1 It is currently aimed at the English market and is being designed a 10.1” size tablet device. This Application could be later updated with more social networking sites in the future, with added features, such as Facebook and Google plus video chat.

# Bibliography

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