



SYSTEM REQUIREMENTS DOCUMENT

Project: Shuffler Tumblr

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Authors: Justin Oud, Berend AI, Casper Eeckhof, Bart de man, J Man	Date: 05-04-2013

Document properties

History

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1.0	05-04-2013	First concept	Justin Oud, Berend Al, Casper Eekhof, Bart de man, J Man

Approval

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1.0	05-04-2013	J Man	Team leader	J Man

Table of Contents

Document properties.....	2
HISTORY.....	2
APPROVAL.....	2
Content.....	3
Introduction.....	4
1. Actor list.....	5
1.1 APP USER.....	5
2. Use case list.....	6
3. Use case details.....	7
4. Use case diagram.....	10
5. Class Diagram.....	11

Introduction

This document contains some UML specifications for this project to give us a clearer picture of what needs to be done. We have chosen to describe the Apps use-cases and a first class diagram. The use cases will make sure we do not forget any functionality and do not stray from the initial idea during development. The first class diagram is a way to have a plan of how to start developing.

1. Actor list

1.1 App user

The person that is happily tapping and swiping away in the app. The App User uses the UI controls, and consumes the content provided by the app.

2. Use case list

Here is a list of use cases for this application.

U1: Log in

U2: ListenToBlog

U3: Back

U4: Play/Pause

U5: Changing the volume in app

U6: Seek

U7: SwipeToNextPost

U8: SeeFollowedBlogs

U9: SeeMyBlogs

U10: ListenToStarred

U11: ListenToDashboard

U12: Heart

U13: Follow

U14: Reblog

3. Use case details

You can find more information about the use cases below.

U1: Log in

Preconditions: User is at the homepage

Steps:

1. Tap the login button
2. Fill in your credentials
3. Confirm

Postconditions: the User is on the logged in page and is logged in.

Abnormal path:

1. If the credentials are wrong, the user gets a message And can try again.
2. If there is no connection with the Oauth-server, the user cannot login and gets a message which says that he has to check his connection.

U2: ListenToBlog

Preconditions: There is a selectable blog

Steps:

1. Tap on the blog
2. Radio-page is opened with the blog post.
3. Content starts playing

Postconditions: The user hears the music that is in the blog.

Abnormal path:

1. If there's no media in the blog, the user gets a message and is brought back.
2. If there is no connection with the internet, the user get's a message to check his WiFi connection.

U3: Back

Preconditions: none

Steps:

1. Tap on the back-button

Postconditions: The user is dropped on the page last-viewed.

Abnormal path: none

U4: Play/Pause

Preconditions: The user is on the radio-page.

Steps:

1. The Play/Pause button is pressed.

Postconditions:

1. If the music was playing, the music is paused and the button changes to pause
2. If the music was paused, the music is resumed and the button changes to play

Abnormal path: none

U5: Changing the volume in app

Preconditions: The user is at the radio-page.

Steps:

1. The user drags the volume slider to the volume he wants.

Postconditions: The volume is changed to the users preference.

Abnormal path: none

U6: Seek

Preconditions: The user is at the radio-page.

Steps:

1. The user slides or taps the seek bar.
2. The user drags it to a new position.

Postconditions: The media starts playing from the position selected by the user

Abnormal path: If the media is buffering and the user drags the slider too far, then the next post is loaded.

U7: SwipeToNextPost

Preconditions: The user is on the radio page

Steps:

1. The user drags the post to the left or right

Postconditions: The next post is loaded

Abnormal path: if there is no next post, the post will not let itself be swiped successfully.

U8: SeeFollowedBlogs

Preconditions: The user is logged in and on the “logged in” page

Steps:

1. The user presses the “followed blogs” button

Postconditions: The user is brought to the appropriate page, listing the blogs the user follows

Abnormal path: If the user follows no blogs, an empty list is displayed

U9: SeeMyBlogs

Preconditions: The user is logged in and on the “Logged in” page

Steps:

1. The user presses the “My Tumblrs” Button

Postconditions: The user is brought to the appropriate page, listing the blogs of the user.

Abnormal path: If the user has no tumblrs, an empty list is displayed

U10: ListenToFavourites

Preconditions: The user is logged in and is on the “logged in” page

Steps:

1. the user presses the “play favourites” button

Postconditions: The user is brought to the radio page filled with the blog posts that the user favourited

Abnormal path: If the user has no favourites, the user is shown a message about the empty playlist and is dropped back into the

U11: ListenToDashboard

Preconditions: The user is logged in and on the “logged in” page

Steps:

1. The user presses the “Dashboard” button

Postconditions: The user is brought to a radio page filled with the posts on the users dashboard

Abnormal path: If the users dashboard is empty the user is given a message about the empty playlist and dropped back on the “logged in page”

U12: Heart

Preconditions: The user is logged in and on the radio page

Steps: The user presses the Heart button

Postconditions: The song is added to the favourites on tumblr, and can be listened to in the favourites

Abnormal path: If the connection to tumblr is fishy, an error is displayed.

U13: Follow

Preconditions: The user is logged in and on the radio page

Steps:

1. The user presses the Plus button
2. A message is displayed “You are now following XXX”

Postconditions: The user is now following the person who posted the post.

Abnormal path: if the connection to tumblr is fishy, an error I displayed

U14: Reblog

Preconditions: The user is logged in and on the radio page

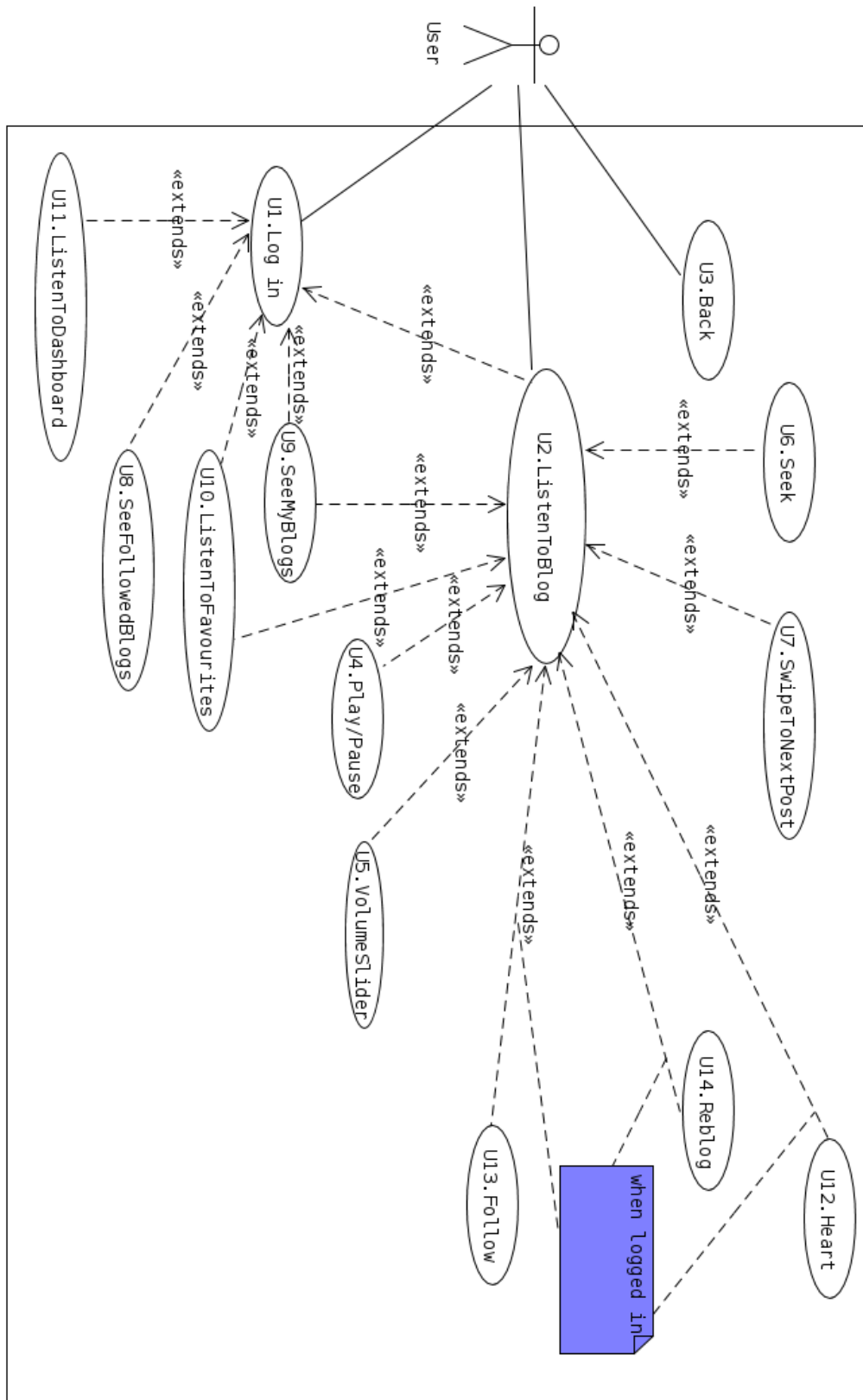
Steps:

1. The user clicks the reblog button
2. The user is brought to the reblog page on tumblr

Postconditions: The user is given the possibility to reblog a post

Abnormal path: None

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5. Class Diagram

Figure 5.1 is the class diagram for the analysis of the system while figure 5.2 is the class diagram for the design.

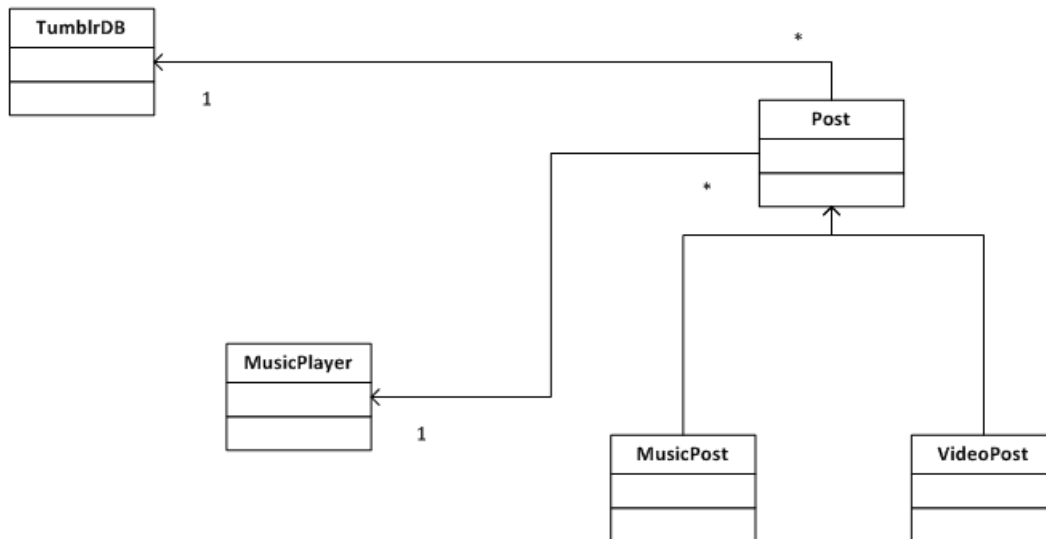


Figure 5.1 class diagram analysis

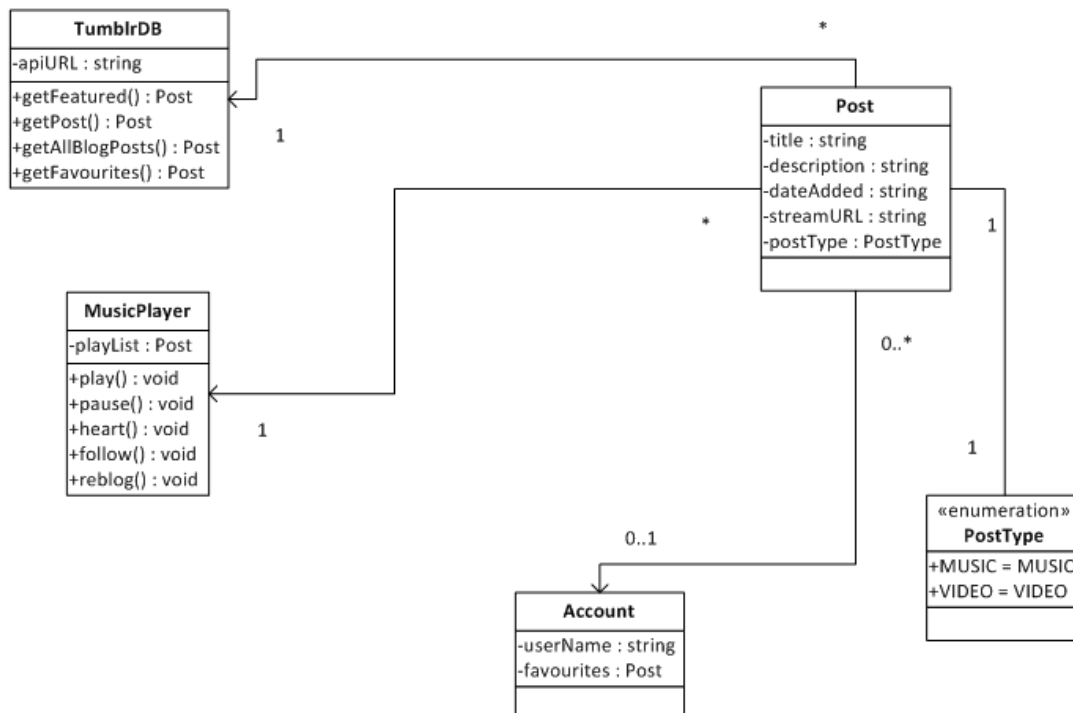


Figure 5.2 class diagram design.