Object-oriented Analysis and Design,Fall 2015

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MChat

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Vision

Introduction

MChat is chat messenger application. MChat will help you mark the message that you want such as hyperlink picture video or text message will help you for search message that you marked. It make you easy to find the message and reduce wasting time that you use to search message.

Target Customers
- Android mobile users
- user that have to use chat message application to communication in work project
- user that have to keep message

Business Opportunity

MChat is made for all customers that can easy to contact people like each chat programs (such as Messenger, Line ,WeChat etc.) and customer can filter an important message about your business. So our customer can efficiently talk about their business.
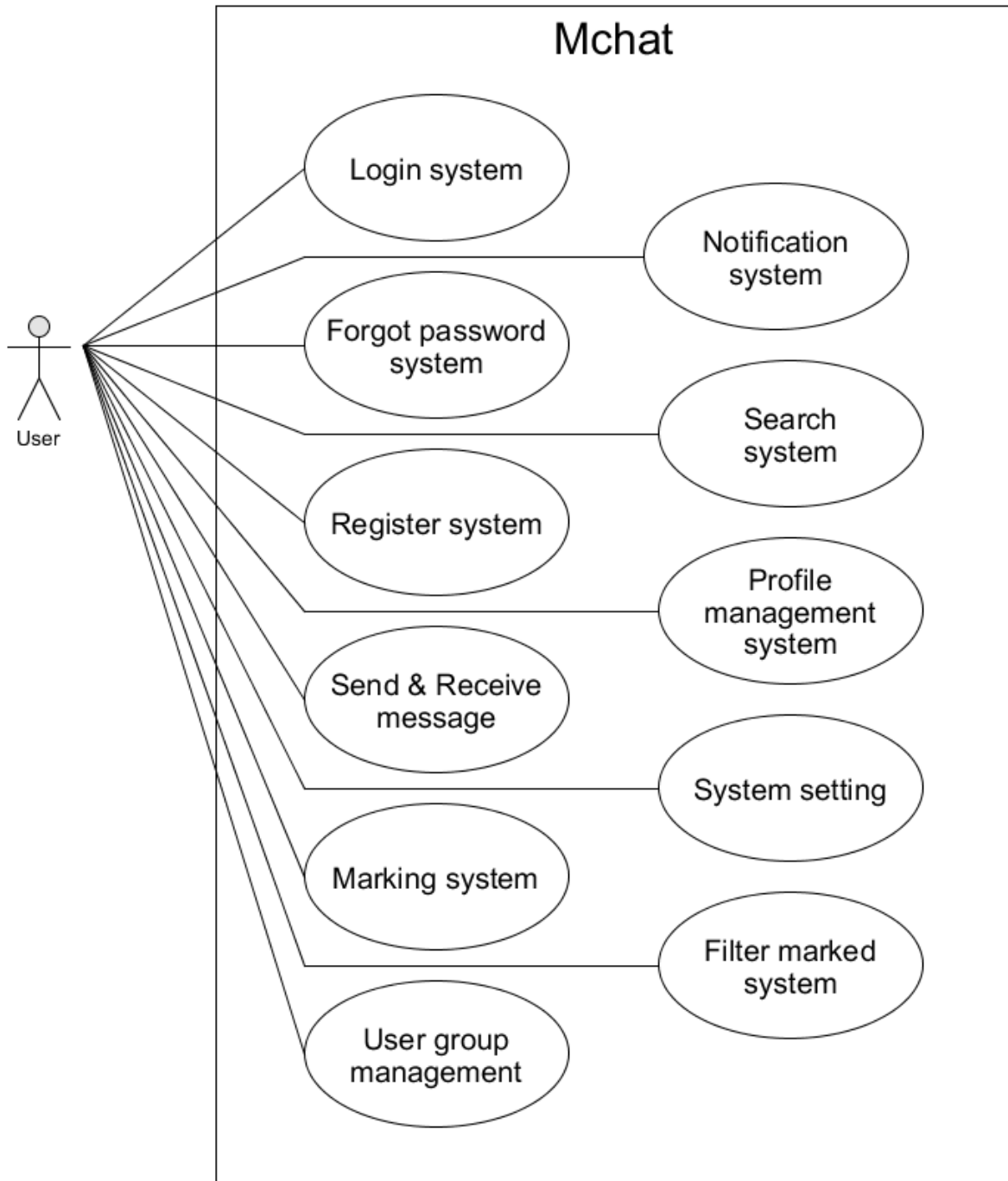
Key Technology and key features
- MChat application base on android mobile application
- MChat application can mark message such as picture hyperlink video textmessage that important
- MChat application can filter search and show only message,image or anything what you want to see.
- MChat application allow user make custom sticker and user can share or sell this sticker.

Problem Statement
- there are so many less important message in chat message group and we don't want to see it.
- There is list of file is uploaded and when user want to download file again,sender don't reupload.

Use Case Diagram

Send Message

Scope
- Application

Level
- User-goal

Primary Actor
- User

Stakeholders and Interests
- User : Wants to send texts , pictures , video or files correctly.

Preconditions
- User is identified and authenticated.

Success Guarantee
- Message is sent. , User gets message.

Main Success Scenario
1.User is in chatting room.
2.User types text.
3.User taps send button.
4.System sends message

Extensions
1a.User leaves the chatting room.
- User enters to chatting room.
2a.User taps files selection menu.
    1.User is in files selection menu.
      - User backs to chatting room.
    2.User chooses file(s).
      - User backs to chatting room.
    3.User taps send button.
3a.Connection lost
    1.System warns with symbol.
    2.User taps the symbol.
    3.System displays menu for resend or delete.
      - User deletes the message and backs to chatting room.
    4.System send the message again.

Technology and Data Variations List
- Wi-Fi and telecommunication technology

Frequency of Occurrence
- Always occur

Miscellaneous
-

Filter Marked System

Scope
- Application

Level
- User-goal

Primary Actor
- User

Stakeholders and Interests
- User : Wants to see marked text , pictures , video or files.

Preconditions
- User is identified and authenticated.

Success Guarantee
- System shows marked text , pictures , video or files.

Main Success Scenario
1.User is in chatting room.
2.User tabs filter button (there are 4 mode of filter texts , pictures , files and mixed)
3.System shows user marked messages

Extensions
-

Technology and Data Variations List
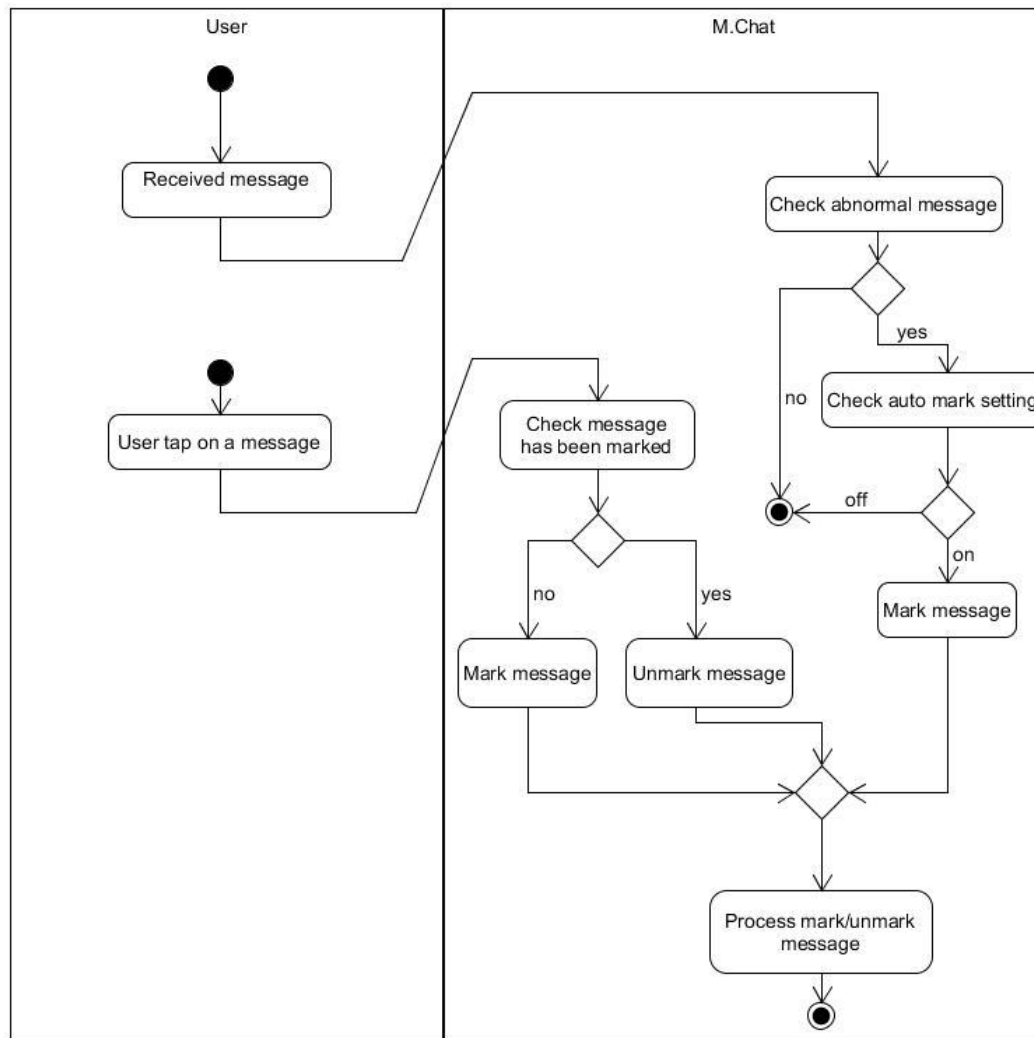-

Frequency of Occurrence
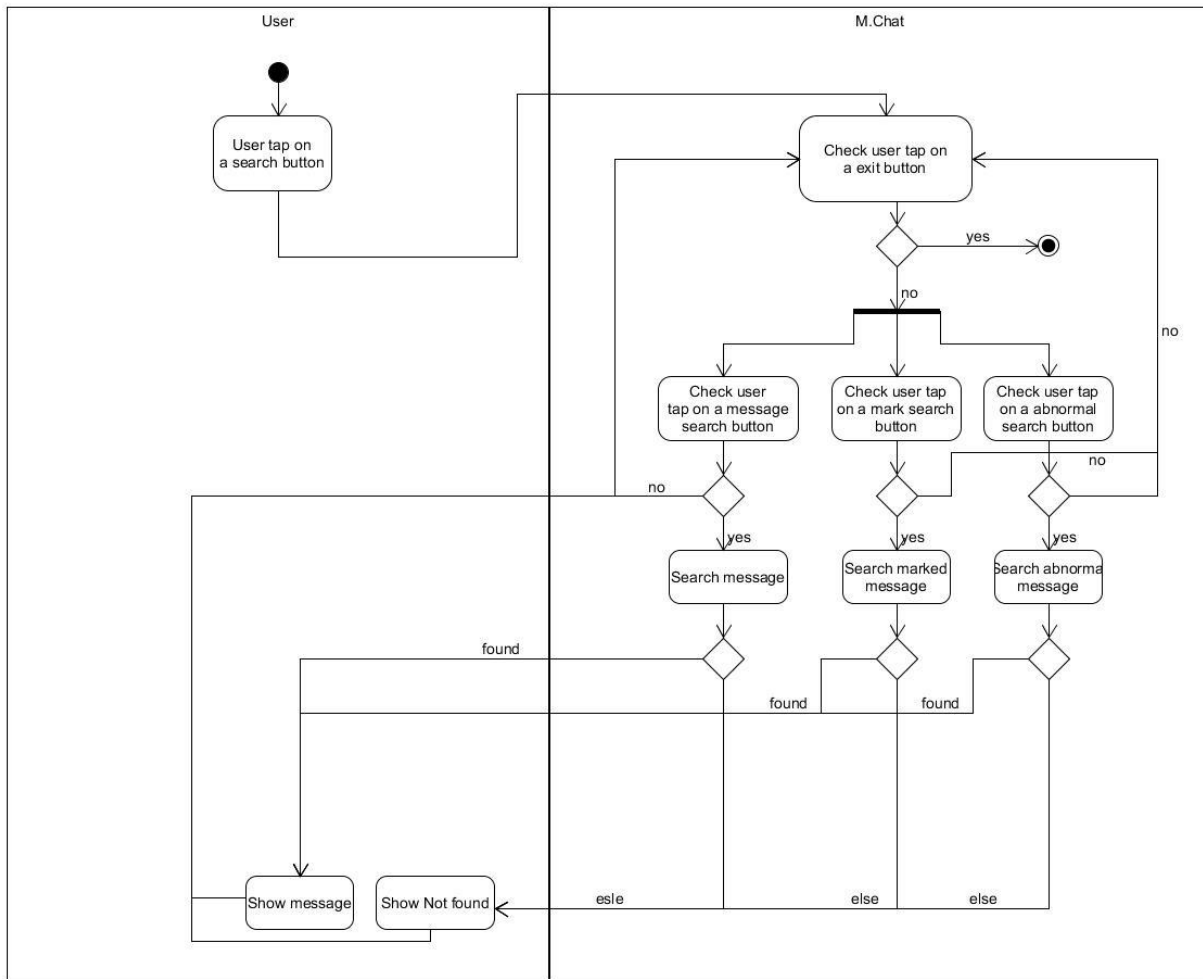- Depend on user's demand.

Miscellaneous
-

Activity diagram

UC:Mark
Goal level:user goal

UC:Search
Goal level:user goal

User | M.Chat

User tap on a search button

Check user tap on a exit button

yes

no

Check user tap on a message search button

Check user tap on a mark search button

Check user tap on a abnormal search button

no

no

no

yes

yes

yes

Search message

Search marked message

Search abnorma message

found

found

found

Show message

Show Not found

esle

else

else

Brief format use case.

Login system - User login system. System allow user to login page. User type username and password then press login. System check input data. If data is valid, system allow user to main page. If data is invalid, system will announce user that he type wrong username or password.

Forgot password system - User use forgot password system. System allow user to forgot password page. User type email that used register account. System check email in database. If email is exist, system send information, username and password, to email. If email isn't exist, system will announce user the the email doesn't ever use.

Register system - User use register system. System allow user to register page. User read agreement. System will move user to login page if user doesn't agree with the agreement. If user agree with the agreement, system will allow user to continue type information for register. User fill all information and press register. System will announce data is exist if data that user type was used. User should change some information for make it valid. If data is correct and not exist, system will keep data to database and send email for confirm register account to email that user use to register. User open link confirm confirm register account. System make that account can use the Mchat.

Profile managment system - User use profile management system. system allow user to profile information page. User edit some profile information and press edit. System rewrite data changed in database.

System setting system - User use system setting system. System allow user to system information page. User edit system setting and press edit. System check changed setting then make application use new edit system setting.

User group management system - User use group management system. User press create group. System display list of user friends. User select friends for start chat. User press create. System create room chat and add member that user select. User use remove member function. System display list of friends in chat room. User select friend for remove from group. System delete all of message that removed user had sent.

Remaining use cases

Notification system - When user receive new message, system sent information about new arrive message for pop up notification on android system. If user mark message, system will send information about mark message to user email.

Global language system - When user want to use mother language or international language,user can set language by himself,This system don't have effect to application.

Supplementary Specification

1.Objectives
The purpose of this document is to define requirements of the M-Chat application.
This list's document is non-functional requirements or requirements is not written in use cases model.

2.Scope
This Supplementary Specification applies to the M-Chat aplication.
This specification defines the non-functional requirements of the system

3.Functionality
-Send sticker
Send sticker,It look like image.
-**Build custom sticker**
Import your image to M-Chat application and share to your friend.
-Shake window application
It look like msn software.

4.Usability
-Design easy to use
The UI (user interface) of M-Chat application is desin by user's experience.
5.Reliability
-Availability
M-Chat can avaliable 24 hours a day, 7 days a week
6.Performance
-**Access Time**
M-Chat can access to the database less than a 10 second.

Glossary

Definition

Term	Definition & Infomation	Format	Validation rules	Aliases
Mark	mark message or any data.	-	-	-
Normal message	message is text.	Text	-	-
Abbnormal messsage	message is other media.	File, Image	-	-
Sticker	Emotion image,and user can make.	Image	-	-

Business rule

Rule list

ID	Rule	Changeability	Source
RULE1	Advertise for example : cost of 200*300 banner is 1000 bath per month	High. Sponsor's advertise will use the rule,and they pay every month	Sponsor
RULE2	Custom sticker for example : user make sticker and sell to another user,and we get commission.	Low.	User