

Requirements and Analysis Document for Shat app

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1 Introduction

For years corporations have been using normal, ordinary, messaging applications in their day to day operations. This is not practical nor optimized for business flow. Basta_gruppens_LTD's messaging application takes care of those problems. The app makes it easy to communicate with other colleagues as well as starting multiple conversations for all your discussions and topics. All messages sent through the application will also be safely stored on a database. Contacts can easily be searched and found in a visual hierarchy based on people's profession within the company. With companies being the applications main focus, the communication between colleagues will be seamless.

1.1 Definitions, acronyms, and abbreviations

Shat app is the name of our application.

Shat app in the UML: the Main class.

Conversation in the UML: a class that holds information relevant to the conversation.

User in the UML: the User class holds information about the user; such as: userId, name, profession etc.

Message in the UML: the Message class represents a message. It has a date, a sender, a conversation id, the contained message.

2 Requirements

2.1 User Stories

2.1.1 Starting the program

Story Identifier: MSG001

Story Name: Starting the program

Description

As a user, I want to be able to start the program, so that I can use it.

Confirmation

Functional

Can I start the program?

Does a GUI show up upon starting the program?

Non-functional

Availability: Can I start the program at any time during the day?

Usability: Is it easy to start the program?

2.1.2 Sending messages

Story Identifier: MSG002

Story Name: Sending messages

Description

As a user I want to be able to type and send a message because I want to contact my colleagues without having to walk over to their desk.

Confirmation

Functional

Can I press a button to send the message?

Is there an input field for me to type the message into?

Does my sent message get saved somewhere?

Does the text in the input field get removed when you press send?

Can I also send a message using the enter key?

Non-functional

Availability: Can I send messages at any time during the day?

Usability: Is it easy to send a message?

2.1.3 Receiving messages

Story Identifier: MSG003

Story Name: Receiving messages

Description

As a user, I want to be able to receive messages so that my colleagues don't have to walk over to my desk all the time.

Confirmation

Functional

Can i view the message(s) that has been sent to me?

Only messages from the given conversation are to be loaded, and all messages from the given conversation are to be loaded.

Non-functional

Availability: Can I view the messages that have been sent to me at any time during the day?

2.2 User interface

Sketches, drawings and explanations of the application user interface (possible navigation).

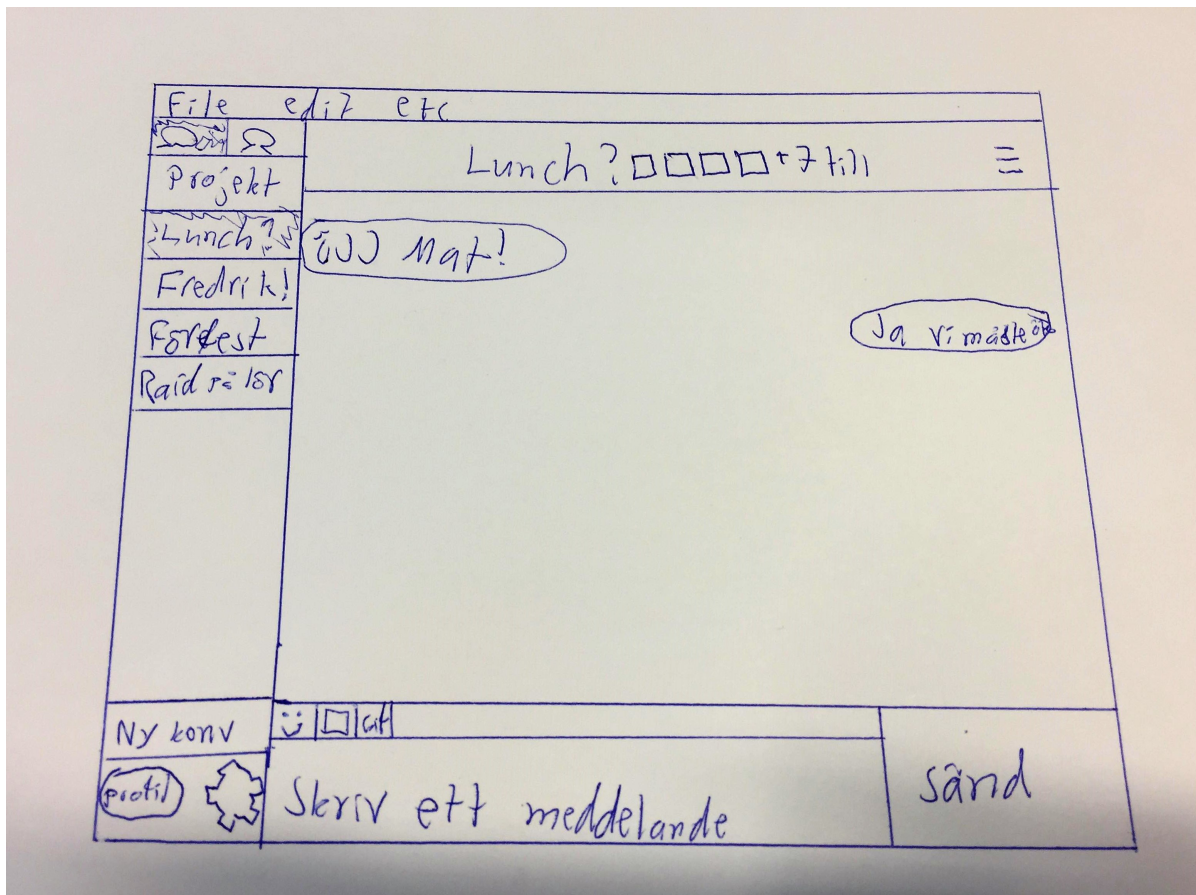


Figure 1: A sketch of an early model

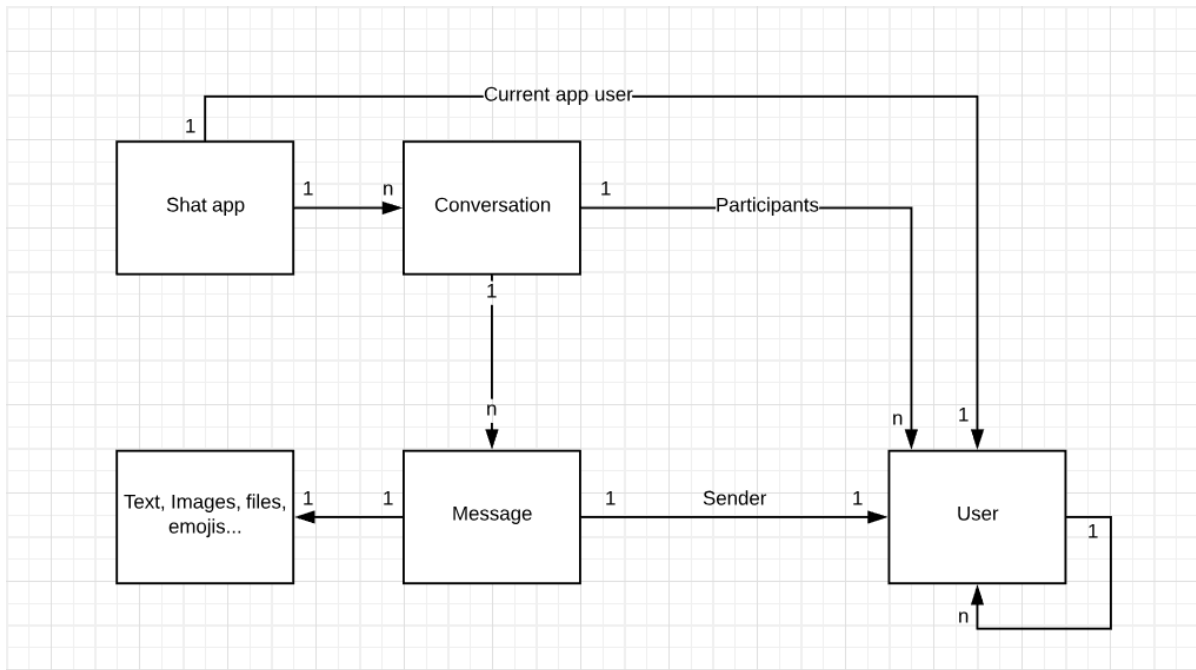


Figure 2: Domain model

3 Domain model

3.1 Class responsibilities

Explanation of responsibilities of classes in diagram.

- **Shat app** The Shat app is a client that is responsible for showing content to the user.
- **Conversation** A Conversation will keep and hold all the necessary information required in a conversation. This includes, but is not limited to: participants, messages, conversation id.
- **User** The User-class contains information about a user; such as userId, age.
- **Message** Message class will keep message id, id of author.

4 References