Technical Report 2st Iteration: Contact Manager

Miguel De Sousa[1], Jesusnilson Mateus[1], Catarina Brito[1], Carlos Oliveira[1]

[1] Instituto Superior de Engenharia do Porto, Rua Dr. António Bernardino de Almeida, 431
4249-015 Porto, Portugal

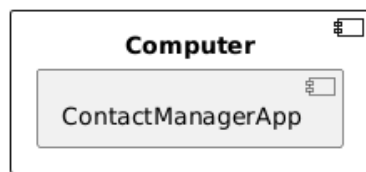{1241690, 1241774, 1240918, 1220806}@isep.ipp.pt

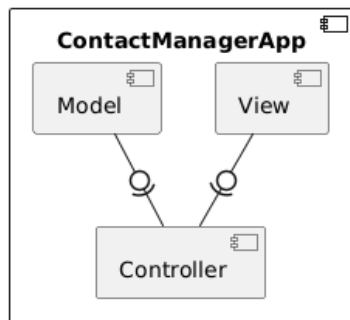## 1 Diagrams

Fig 1. Deployment diagram
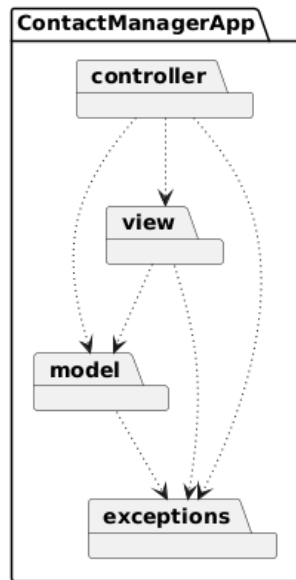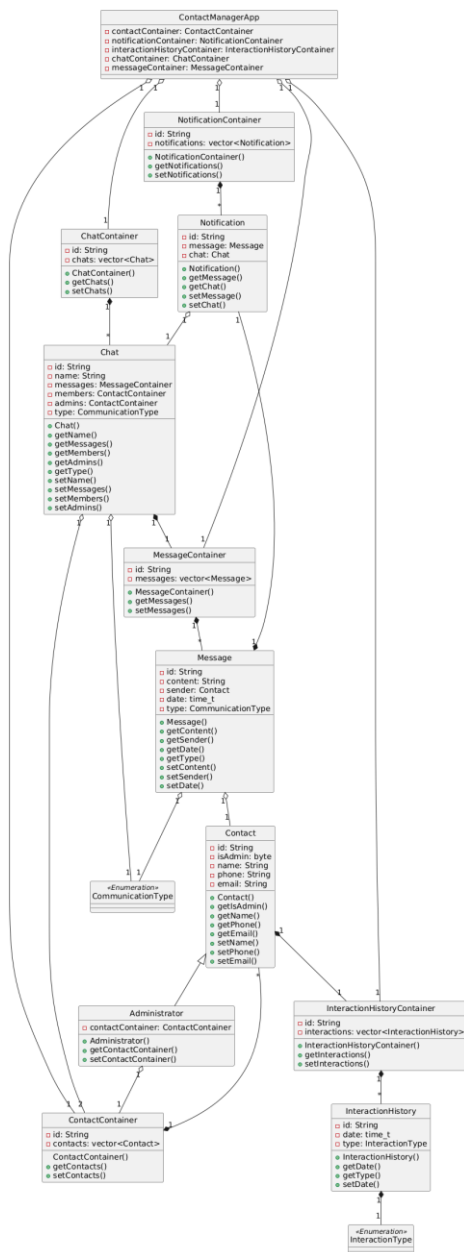

Fig 2. Component diagram
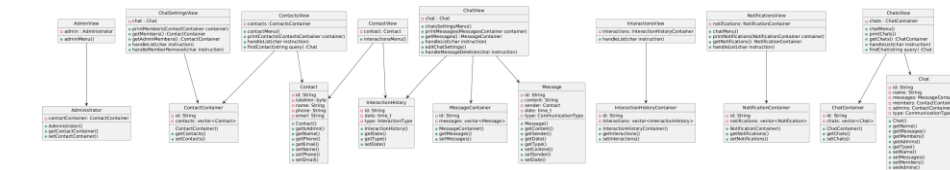
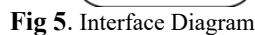**Fig 3**. Package Diagram

Fig 4. Model classes diagram

Fig 5. Interface Diagram

b
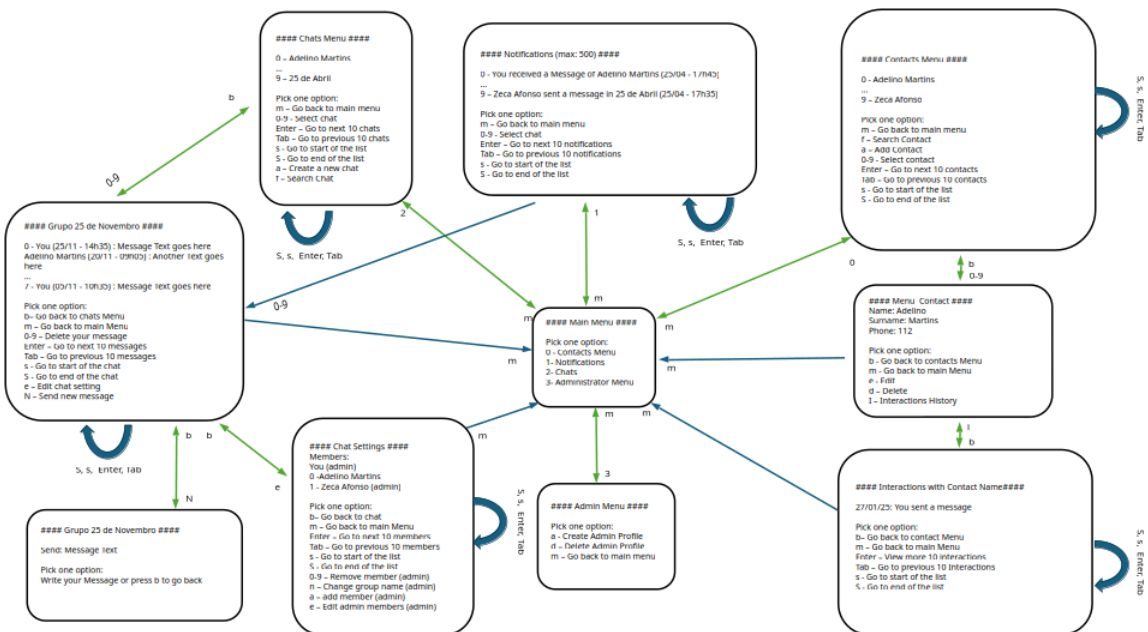
Fig 6. Relationship between View and Model diagram
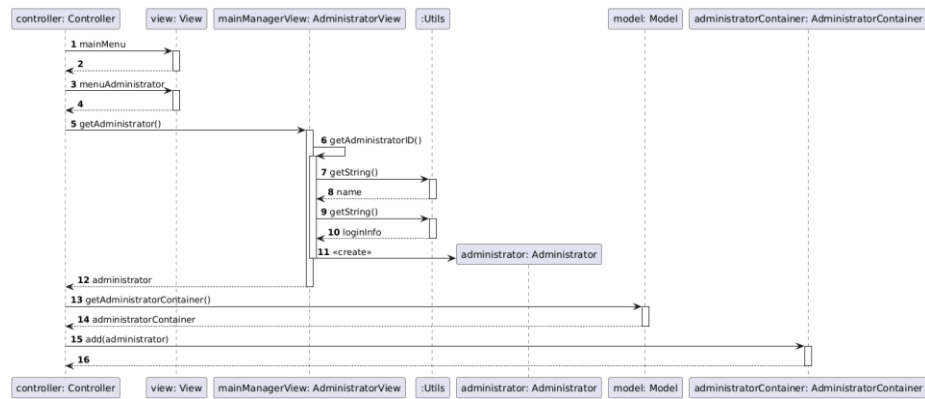
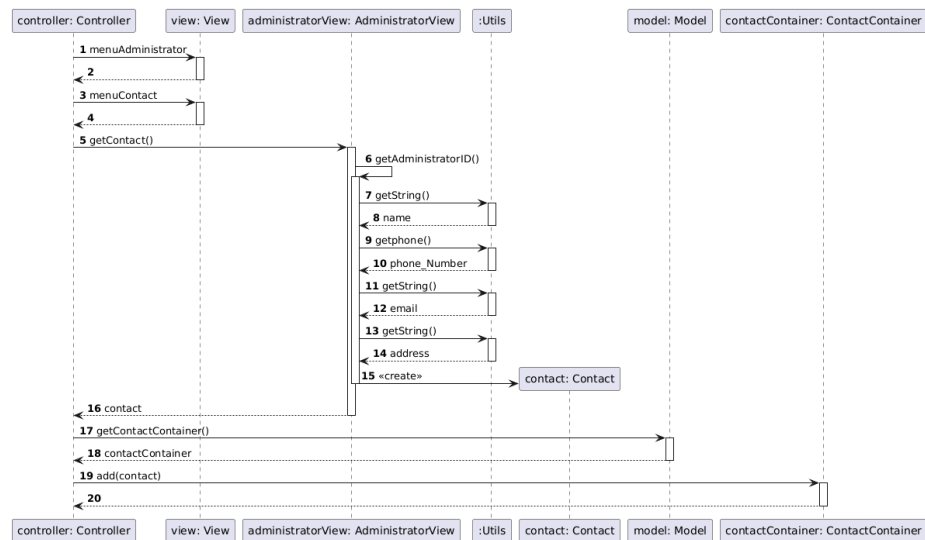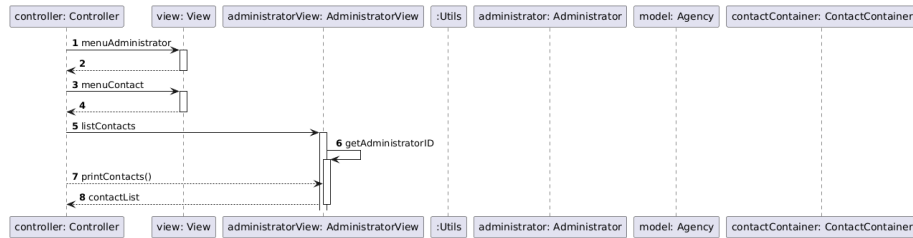Fig 7. Relationship between View and Controller diagram
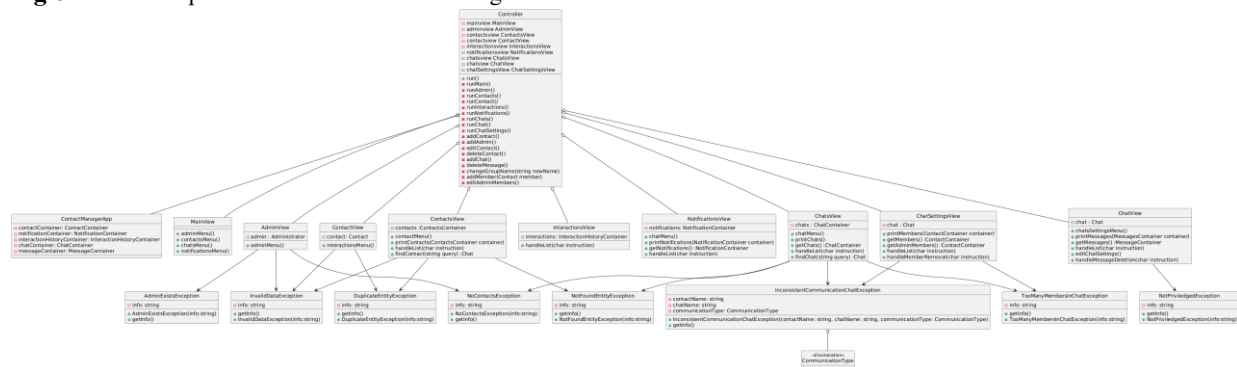
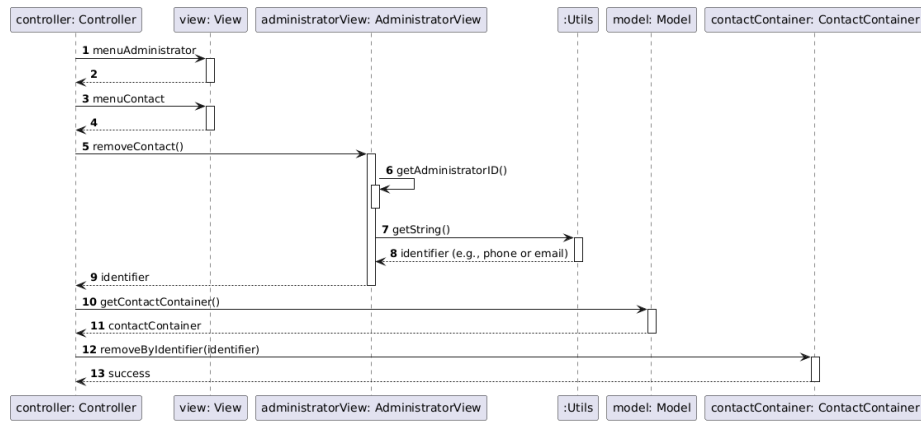# 2 Sequence Diagram

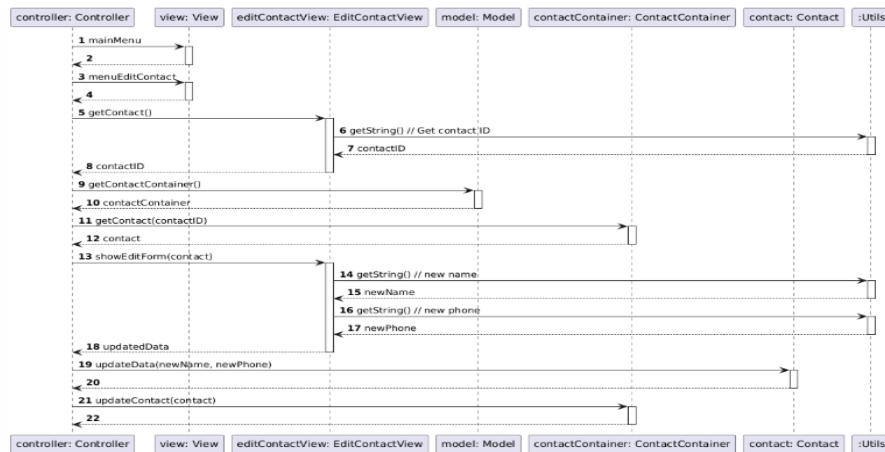## 2.1 UC1- Insert Administrator Data

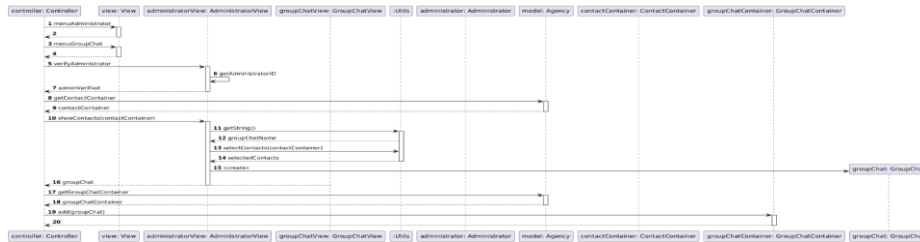## 2.2 UC2 – Add Contact
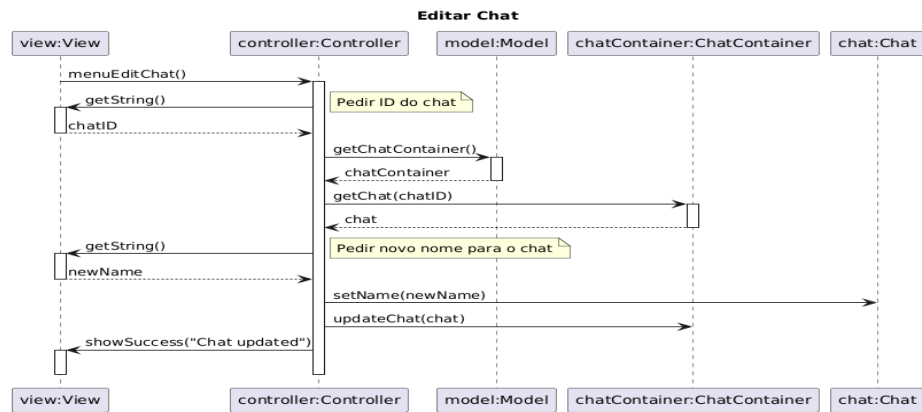
2.3 UC – List Contacts

2.4 UC – Remove Contact

2.5 UC – Edit Contact

2.6 UC3 – Create GroupChat

2.7 UC – Edit Chat

Editar Chat

2.8 UC – Delete Chat

Eliminar Chat

2.9 UC – Send Message

Enviar Mensagem

Sequence diagram showing: view:ChatView, controller:Controller, model:Model, chatContainer:ChatContainer, chat:Chat

- sendMessage()
- getChatDetails() — Pedir ID do chat e texto
- chatID, messageText
- getChatContainer()
- chatContainer
- getChat(chatID)
- chat
- createMessage(messageText)
- newMessage
- addMessage(newMessage)
- updateChat(chat)
- refreshChat()

2.10 UC- Delete Message

Eliminar Mensagem

Sequence diagram showing: view:ChatView, controller:Controller, model:Model, chatContainer:ChatContainer, chat:Chat

- deleteMessage()
- getMessageDetails() — Pedir ID do chat e da mensagem
- chatID, messageID
- getChatContainer()
- chatContainer
- getChat(chatID)
- chat
- removeMessageById(messageID)
- success
- updateChat(chat)
- refreshChat()

2.11 UC – View Interaction History

controller: Controller | view: View | historyView: HistoryView | model: Model | contactContainer: ContactContainer | contact: Contact | :Utils

1 mainMenu
2
3 menuViewHistory
4
5 getContact()
6 getString() // Get contact ID
7 contactID
8 contactID
9 getContactContainer()
10 contactContainer
11 getContact(contactID)
12 contact
13 getHistory()
14 historyList
15 showHistory(historyList)
16