



CC3067 Networks

# Project 1

Using an existing protocol

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**Hosted By:**

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# Features implemented

## Account management

Register a new account  
on the server

Sign in with an account

Sign out with an account

Delete server account

## Communication

Show all contacts and their status

Add a user to contacts

Show contact details of a user

1 to 1 communication with any contact

Define presence message

Send/receive notifications

Send/receive files



# Difficulties

There were several difficulties in this project, the most notable below

- Low Documentation
- Version conflict with SMACK
- No information on new features
- The errors inside java are not very specific (The error can be caused by anything)
- The fact that different listeners are needed for different stanzas makes the code cumbersome and difficult to read.
- At the beginning it was proposed to use MVC but the library was not very friendly when receiving external functions (at the time of override).
- The fact that there are different implementations makes it difficult to select the language since there is no documentation on the others, making the investigation too problematic.







**Thank**

**You!!!**

