



**Document:** Sprint Report 5

**Project:** Group Chat For Linphone (Agile DO-178)

**Advisor:** Kobus Coetzee

**Sponsors:** Nanoteq & Department of Computer Science, UP

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# 1 Product Backlog

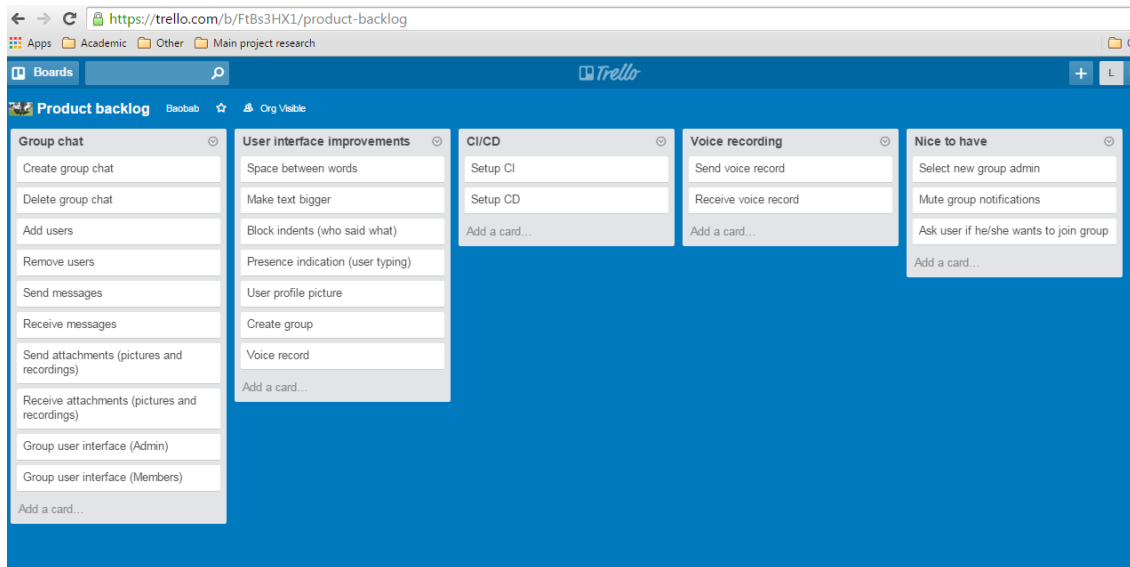


Figure 1: Product Backlog

Click-able link to Product Backlog on Trello

## 2 Sprint Review

### 2.1 Participants

Scrum User Roles	
Role	Name
Scrum master	Potego Mello
Client representative	Patience Mtsweni
UX developer	Lutfiyya Razak and Lerato Molokomme
Backend developer	Ephiphania Munava and Potego Mello
Crypto developer	Tsepo Ntsaba
CI / CD support	Patience Mtsweni

### 2.2 Sprint Summary

Sprint Summary			
Sprint Number	Sprint	Start Date	End Date
1	Environment Setup	23 June 2015	1 July 2015
2	CI Setup	1 July 2015	12 July 2015
3	User Interface and Create Group Chat	13 July 2015	27 July 2015
4	Group Chat Implementation	29 July 2015	16 August 2015
5	Group Chat Implementation	17 July 2015	30 August 2015

### 2.3 Software Architecture

**Description:** We did not modify the software architecture.

## 2.4 Sprint Summary

### 2.4.1 What we got done:

**Description:** We did a review of the third sprint and we discussed our next sprint(sprint four). We discussed the user stories as well as our roles and what we expected to deliver.

Completed Work				
Date Complete	Implemented in production quality	Tested	Integrated	Documented
23 June 2015	Yes	Product Backlog	Not Applicable	Click-able link to Product Backlog on Trello
23 June 2015	Yes	Environment Setup Sprint	Not Applicable	Click-able link to Sprint Backlog on Trello
30 June 2015	Yes	User Interface and CI Setup	Yes	Click-able link to Sprint Backlog on Trello

### 2.5 What we plan to do next:

**Description:** The previous user stories were incomplete therefore they were put back on the product backlog and pulled once again therefore; We implemented the following user stories:

1. I can create a group chat(GUI and Backend).
2. I can select participants (GUI and Backend).
3. I can type a message (GUI and Backend).
4. I can send a message (GUI and Backend).
5. I can encrypt messages with a fixed key.

Work to Complete			
Date to begin	Task to implement:	Assigned To:	Date to complete
17 August 2015	I can create a group chat	Lutfiyya(GUI) and Potego(Back-End)	30 August 2015
17 August 2015	I can select participants	Lutfiyya(GUI) and Potego(Back-End)	30 August 2015
17 August 2015	I can type a message	Lutfiyya(GUI) and Ephiphania(Back-End)	30 August 2015
17 August 2015	I can send a message	Lerato(GUI) and Ephiphania(Back-End)	30 August 2015
17 August 2015	I can encrypt messages with a fixed key	Tsepo	130 August 2015
17 August 2015	Create a crypto design	Tsepo	30 August 2015
17 August 2015	Create SVR generation script	Patience	30 August 2015
17 August 2015	Get Travis CI to build successfully	Patience	30 August 2015