



Document: Burn Down And Velocity Chart

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

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1 Introduction

Scrum Product Backlog is a list of all things that we needed to implement within the project. It replaces the traditional requirements specification artifacts.

2 Project Details

System name affiliation of all stakeholders	
System name	Linphone Group Chat
Stakeholder	Kobus Coetzee
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

3 Task Description

Story Name	Task Description					
	Task Number	Task Description	Status	Estimated Effort (in Hours)	Actual Effort (in Hours)	Effort Remaining (in Hours)
Environment Setup	1	Linux	Done	1	5	0
	2	Eclipse	Done	0.2	0.2	0
	3	Android SDK	Done	0.2	0.2	0
	4	Android NDK	Done	0.2	0.1	0
	5	Android eclipse ADT	Done	0.2	0.1	0
	6	C Compiler	Done	0.2	0.1	0
	7	Clone Linphone project recursive	Done	1	38	0
	8	Compile project	Done	2	48	0
Setup CI Travis	9	YAML File	Done	10	26	0
	10	Python File	Done	48	23	0
Setup CD	11	Devices Deployment	Done	12	0.1	0
Group Chat Interface	12	Activity for Each Screen	Done	60	83	0
	13	Group Chat functionality Icons	Done	20	15	0

Table 1: Task Description 1

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Story Name		Task Description							
		Task Number	Task Description			Status	Estimated Effort (in Hours)	Actual Effort (in Hours)	Effort Re- main- ing (in Hours)
Select Participants		14	List Member	User-	names	Done	5	8	0
		15	List Member	SIP Ad-	dresses	Done	5	8	0
Welcome Screen		16	About Button			Done	2	0.5	0
		17	Help Button			Done	2	0.5	0
		18	Logo			Done	0.5	2	0
Select Group De- tails		19	Group name			Done	2	2	0
		20	Group icon			Done	2	2	0
		21	Exit group icon			Done	2	2	0
		22	Add participants			Done	2	4	0
Type Message		23	Type Message			Done	2	4	0
Send Message		24	Send Message			Done	2	4	0
Receive Message		25	Receive Message			Done	2	4	0
Record Voice		26	Record Voice			Done	2	4	0
Send Record Voice		27	Send Record Voice			In progress	2	4	0
Receive Voice	Record	28	Receive Record Voice			Done	2	4	0

Table 2: Task Description 2

Story Name		Task Description					
		Task Number	Task Description	Status	Estimated Effort (in Hours)	Actual Effort (in Hours)	Effort Remaining (in Hours)
Send Encrypted Group Messages		29	Send Encrypted Group Messages	Done	2	4	0
Receive Encrypted Group Messages		30	Receive Encrypted Group Messages	In progress	2	4	0
Send Encrypted Pictures		29	Send Encrypted Group Messages	In progress	2	4	0
Receive Encrypted Pictures		30	Receive Encrypted Group Messages	In progress	2	4	0
Send Encrypted Record Voice		29	Send Encrypted Group Messages	In progress	2	4	0
Receive Encrypted Record Voice		30	Receive Encrypted Group Messages	In progress	2	4	0

Table 3: Task Description 3

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