



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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Task Description								
Story Name	Task Number	Task Description			Status	Estimated Effort (in Hours)	Actual Effort (in Hours)	Effort Remaining (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	1	2.5	0
Send Message	24	Send Message			Done Bugs	1	2.5	1
Receive Message	25	Receive Message			Done	1	2.5	0
Send Picture	26	Send Message			Done	4	2	0
Receive Picture	27	Receive Message			Done	4	3	0
Record Voice	28	Record Voice			Done	10	2	0
Send Record Voice	29	Send Record Voice			In progress	5	0	5
Receive Voice	Record	30	Receive Record Voice		In progress	5	0	5

Table 2: Task Description 2

		Task Description					
Story Name		Task Number	Task Description	Status	Estimated Effort (in Hours)	Actual Effort (in Hours)	Effort Remaining (in Hours)
Send Encrypted Group Messages		31	Send Encrypted Group Messages	Done	38	68	18
Receive Encrypted Group Messages		32	Receive Encrypted Group Messages	In progress	20	27	10
Send Encrypted Pictures		33	Send Encrypted Group Messages	In progress	22	34	4
Receive Encrypted Pictures		34	Receive Encrypted Group Messages	In progress	10	14	5
Send Encrypted Record Voice		35	Send Encrypted Group Messages	In progress	22	34	4
Receive Encrypted Record Voice		36	Receive Encrypted Group Messages	In progress	10	14	5
Total Tasks		36		Total	328.9	473.3	46

Table 3: Task Description 3

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