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Document: Product Backlog

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

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Patience Mtsweni, Lerato Molokomme, Tsepo Ntsaba, Mpedi Mello, Lutfiyya Razak, Ephiphania
Munava

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 Product Backlog

	User Story				
Title	As a/an	User Story	Notes	Priority	Status
Environment Setup	As a developer	I have the required technologies to implement the project	Linux, Eclipse, Android SDK, Android NDK, Android eclipse ADT, C Compiler, Clone Linphone project recursive one, Compile project	Critical	Done
Setup CI	As a developer	I can test whether my recently implemented code executes correctly and does not cause a build error	Travis	Important	Done
Setup CD	As a developer	I can continually deploy a working system and test it on a device	Deploy with a cellphone devices to see if it work, there isnt a tool that we can use	Important	Done
Group Chat Interface And Icon	As a linphone user	I want to create a group chat so that I can communicate with more than one person	This includes the front end GUI and the backend Functionality, Create new group chat button	Critical	Done
Welcome Screen	As a user	I want to know what to expect when creating a group chat and receive help.	Information button and help button are there to assist when user needs more information.	Nice To Have	Done
Selecting group details	As a linphone user	I want to personalise the group details.	The user can select group name and group icon	Nice to have	Done

Table 1: Product Log and User Stories Table 1

		User Story			
Title	As a/an	User Story	Notes	Priority	Status
Select Participants	As a group administrator	I want to select the people so that we can communicate in the group chat	A screen appears with the contacts that a administrator can select to have in the group chat	Critical	Done
Select Group Details	As a user	I want to view the details of the group.	These are displayed on more information button, group name, group icon, exit group icon and add participants.	Nice To have	In progress
Type Message	As a group participant	I want to type a message in the group so that I can communicate with the members of the group	The members of the group can type a message that will be sent and received by other people in the group.	Critical	Done
Send Message	As a group participant	I want to send a message in the group so that I can share my message with the members of the group	The members of the group type a message then it is sent to the other people in the group.	Critical	Done
Receive Message	As a group participant	I want to receive messages in the group from the members of the group	The members of the group type a message then it is sent to the other people in the group and receive them.	Critical	Done
Record Voice	As a group participant	I want to record a voice note in the group	The members of the group can record voice notes for one another.	Nice to have	Done
Send Record Voice	As a group participant	I want to record a voice note in the group and send it to the members in the group	The members of the group can record voice notes and send to one another.	Nice to have	In progress

Table 2: Product Log and User Stories Table 2

	User Story				
Title	As a/an	User Story	Notes	Priority	Status
Receive Record Voice	As a group participant	I want to record a voice note in the group and receive voice notes from the members in the group	The members of the group can record voice notes, send to one another and receive voice notes from other group members.	Nice to have	Done
Send Encrypted Group Messages	As a group participant	I want to send encrypted messages to the members of the groups	The members of the group can send encrypted messages to one another	Critical	Done
Receive Encrypted Group Messages	As a group participant	I want to receive encrypted messages from the members of the groups	The members of the group can receive encrypted messages from one another	Critical	In progress
Send Encrypted Group Pictures	As a group participant	I want to send encrypted pictures to the members of the groups	The members of the group can send encrypted pictures to one another	Critical	In progress
Receive Encrypted Group Pictures	As a group participant	I want to receive encrypted pictures from the members of the groups	The members of the group can receive encrypted pictures from one another	Critical	In progress
Send Encrypted Recorded Voice Note	As a group participant	I want to send encrypted recorded voice notes to the members of the groups	The members of the group can send encrypted recorded voice notes to one another	Critical	In progress
Receive Encrypted Recorded Voice Note	As a group participant	I want to receive encrypted recorded voice notes from the members of the groups	The members of the group can receive encrypted recorded voice notes from one another	Critical	In progress

Table 3: Product Log and User Stories Table 3