

Retrospective Document

Sprint-<2>

Work & Test Progress

*List the milestones planned for this sprint along with their completion percentages.
(Please do not list the details of workpackages/tasks.)*

IM1. We partially implemented our “Broadcast Distant Peers” scenario. In this scenario, every device will send the coming messages to the surrounding devices. (50%)

IM2. We implemented 30% of “Hop to hop messaging to distant specific peer ” scenario. In this scenario, we send message through other peers to a specific peer. The peers between will not read the message. We are going to implement AODV routing protocol in this scenario. (100%)

IM3. Backlog from last sprint: Gmail/ authentication and server database connection is replaced with GSM number registration and this milestone is accomplished. (100%)

List the tests finalized as part of the milestones planned for this sprint.

TM1 → IM1 has not been completed so we have no test for this milestone. (NOT APPLICABLE YET)

TM2 → IM2 was already an implementation of a small part, not a complete module so testing is not possible yet. (NOT APPLICABLE YET)

TM3 → Our application is able to take GSM number at the first time of the installation and our application records the number. (100%)

Team Progress

List the team members along with their contribution percentages.

Ceyda TOSUN	100%
Gulnaz SHAIDOLDA	100%
Gülşah SABIRSIZ	100%

Everybody participated in all parts of the milestones with equal contribution percentages.

Left-overs (Backlog)

List the milestone(s) that could not be 100% completed in this sprint. Give your reasons for the incomplete milestone(s).

1. We partially implemented our “Broadcast Distant Peers” scenario. In this scenario, every device will send the coming messages to the surrounding devices. (50%)

We have an important problem with Wi-Fi Direct Group Owner attribute.

“A p2p group consists of a single group owner and one or more clients. In the case of a group with only two devices, one will be the group owner and the other will be a group client.

This definition basically says to you that: Once you have a device that is a Group Owner, this same device cannot be a client of another group. Not only that but also, once you are connected to a Group as a client, you are not able to connect to another group, and act as a bridge." So, forwarding a coming message seems impossible now. We are trying to find a new method to solve this problem. In the case of failure we find an alternative way which is using Wi-Fi Direct in local area and Blue-tooth while sending messages to distant areas.

Next Sprint

List the milestone(s) that will be targeted in the next sprint.

1. Reliable Data Transfer - It checks if the message is really delivered. If the message is delivered, it sends ACK. If not it will send timeout.
2. 70% of "Hop to hop messaging to distant specific peer" (We may replace Wi-Fi Direct technology to Blue-tooth in distant communication.)
3. Adding turn on/off feature to our application. If the battery is low user can turn off the router in other words do not accept messages from other users.

Comments

Your comments (if any) regarding to this completed sprint.

We have problems about using Wi-Fi Direct in distant areas which is mentioned in left-overs part in detail.

We are taking GSM number of the user when the application is installed. GSM number can be taken automatically by the application on the background but many of the devices do not support this feature. Therefore, we decided to take it manually in order to increase usage of our application.

Assistant's Evaluation

Assistant's (Team Leader's) comments regarding to this completed sprint.

<NoNET>

<FixIT>

Supervisors's Evaluation

Supervisor's (Team Leader's) comments regarding to this completed sprint.