

## **Task 3 – Post-Mortem Report**

This document presents a detailed analysis of software requirement analysis activities conducted by Team 26. The first artifact we created during the analysis is a vision document. Following is the discussion in details:

### **1. Questions and answers for the elicitation artefacts used in this delivery:**

#### **a. What was the advantage of this technique based on your experience in this assignment?**

- The questionnaire was quick, efficient and cost-effective way to gather the basic requirements considering the amount of given time.
- Formulation of the questionnaire and possible answers enforces a better understanding of the problem domain through background study.
- This technique enabled us to diversify the question pool and solution proposals thorough team discussion.

#### **b. What was the disadvantage of this technique based on your experience in this assignment?**

- It was difficult to narrow down the top or important questions.
- Does not provide an opportunity for clarifications and or incorporate new ideas.
- Required to have sufficient domain knowledge to come up with good questions.
- Predetermined answers to the questionnaire have higher chances of influencing the end user.

#### **c. How efficient was the technique, i.e. how good requirements did it help uncover given the time it took to use?**

- This technique helped to understand the fundamental components and the overall working of the system.
- Accurately capture the user's expectations.
- It ensured that the features map well corresponding user requirements.
- It enabled us to get insights about the problem domain in a fairly short amount of time.

#### **d. In which situations would you use this technique in a future project?**

- Questionnaires can be used in simple, straight forward projects where all the stakeholders have sufficient domain knowledge.
- Better fit for projects where there is limited time to gather the requirement set.
- It can also be a good technique to enhance existing projects.

#### **e. In which situations would you not use this technique in a future project?**

- This technique cannot be used alone for complex projects; however, it can be used in combination with other elicitation techniques like interviews, prototyping etc.
- It may also not be suitable in projects where the stakeholders do not have sufficient domain knowledge and have vague requirements/ideas.

2. Summarize how much time was spent (in total and by each group member) on the steps/activities involved as well as for the delivery as a whole. Be honest with the time spent, as this information will in no way be used for any grading. For more details related to commit history and logging of this delivery-1, please see Appendix A to Appendix E.

Task	Sub Task	Apoorv	Divya	Manik	Nikhil	Sakib
Background Study	-	40 mins	120 mins	30 Mins	35 Mins	60 Mins
Elicitation Artifacts	Communication	140 mins	120 mins	120 Mins	120 Mins	80 Mins
	Documentation	150 mins	120 mins	180 Mins	120 Mins	120 mins
	Review	150 mins	150 mins	120 Mins	80 Mins	60 mins
Vision Document	Communication	140 mins	150 mins	120 Mins	120 Mins	120 Mins
	Documentation	150 mins	160 mins	120 Mins	70 Mins	150 Mins
	Review	140 mins	180 mins	180 Mins	180 Mins	60 mins
Postmortem Report	Communication	40 mins	40 mins	60 Mins	60 Mins	60 mins
	Documentation	25 mins	60 mins	60 Mins	30 Mins	60 mins
	Review	30 mins	30 mins	60 Mins	60 Mins	40 mins

**3. In addition to the material seen in class, what other techniques did you apply for completing this delivery?**

**a. Which techniques worked well**

- Brainstorming among the team members.
- Splitting more coarse-grained tasks to smaller manageable tasks.
- Peer review

**b. Which techniques did not work?**

- We tried to use google docs making draft and paper review with critiques and comments but finally ended up using GitHub for better logging purposes.

**4. How did you work together as a group in the project? What worked well, and what did not work during your interaction(s)? What would you do differently in the future?**

- **Collaboration:** Used Git hub and Google Docs to collaborate and maintain versions. Going forward, Latex in combination with GitHub can be used to better track and log changes.
- **Communication:** Zoom meetings and WhatsApp group for offline group chat. Planning to try Microsoft teams in future.
- **Reviews:** Reviews happened online during meeting. In future, planning to perform offline/individual reviews and discuss only the outcome/comments during the meetings.

- **Management:** Peer monitoring and contributing in pair helped has manage the tasks. A time tracking tool named Toggl was used to track time for zoom meetings and tasks. Using multiple tools for the same tasks (like google doc and git) made us inefficient in the beginning which was later addressed and streamlined using minimum set of tools. We plan to introduce Kanban/SCRUM style agile management process for future deliverables

# Appendix

## Appendix A

Detailed time tracking report of delivery-1:

### Detailed report

2020-06-26 - 2020-07-31

Total 10 h 00 min



Date	Description	Duration	User
07-01	<b>First meeting</b> (no project)	<b>1:00:00</b> 01:30-02:30	Sakib Shuvo13
07-01	<b>Questionnaire discussion</b> (no project)	<b>0:40:00</b> 21:00-21:40	Sakib Shuvo13
07-03	<b>Task 1 final review</b> (no project)	<b>1:30:00</b> 01:30-03:00	Sakib Shuvo13
07-03	<b>Vision doc discussion</b> (no project)	<b>2:00:00</b> 20:30-22:30	Sakib Shuvo13
07-04	<b>vision doc progress meeting</b> (no project)	<b>0:50:00</b> 17:30-18:20	Sakib Shuvo13
07-05	<b>Vision doc and post mortem report discussion</b> (no project)	<b>2:00:00</b> 18:30-20:30	Sakib Shuvo13
07-06	<b>final review delivery 1</b> (no project)	<b>2:00:00</b> 22:30-00:30	Sakib Shuvo13

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## Appendix B

Draft vision document collaboration and peer review, discussion history on google drive:

[https://docs.google.com/document/d/15c1B\\_ef7tt7FsPsOrMb\\_wkE0L4OtvFiz/edit](https://docs.google.com/document/d/15c1B_ef7tt7FsPsOrMb_wkE0L4OtvFiz/edit)

## Appendix C

Final vision document report collaboration logging history on GitHub at a glance:

<https://github.com/sakibshuvo/SOEN-6481-SRS/commits/master>

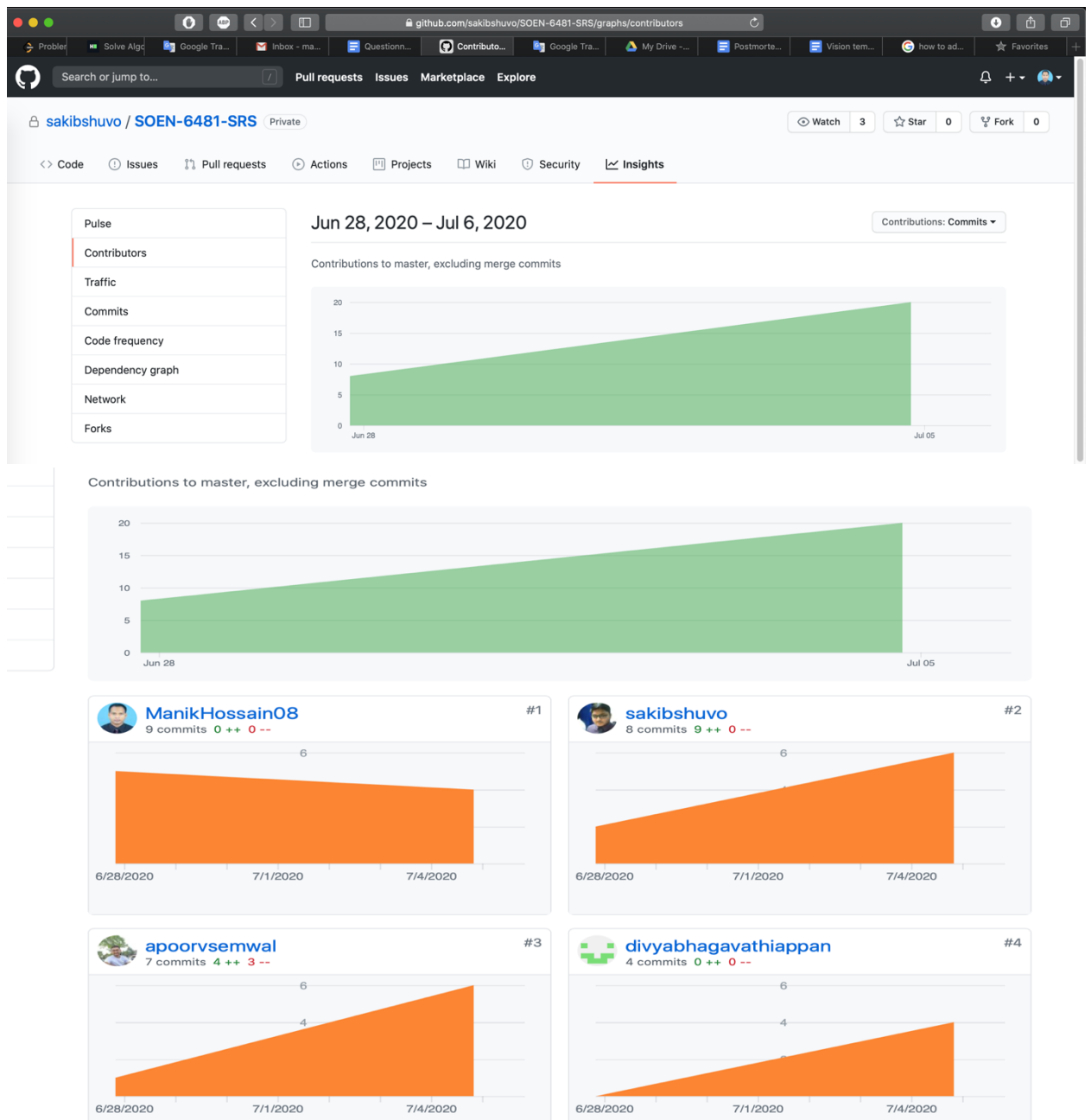


Fig-1: team collaboration

All Branches	Graph	✓ Show Remote Branches	Date Order		Jump
				Description	Date Author Commit
				table structure	6 Jul 2020 20:23 nikhilgpatil1995@t 05d8ad3
				Added Background Study and Questionnaire to the Appendix Section	6 Jul 2020 20:10 Apoorv Semwal <e 6663025
				Merge branch 'master' of https://github.com/sakibshuvo/SOEN-6481-SRS	6 Jul 2020 19:58 Apoorv Semwal <e 22d10f
				Review comments incorporated	6 Jul 2020 19:57 Apoorv Semwal <e 182bf53
				numbered the questions	6 Jul 2020 19:55 ManikHossain08 < 83a7495
				changes in feature	6 Jul 2020 18:57 nikpat9 <JuPiTeR@ 718858f
				Merge branch 'master' of https://github.com/sakibshuvo/SOEN-6481-SRS	6 Jul 2020 18:56 nikpat9 <JuPiTeR@ fb07190
				reverting	6 Jul 2020 18:56 nikpat9 <JuPiTeR@ 17b2d3e
				feature changes	6 Jul 2020 18:54 nikpat9 <JuPiTeR@ 0875f64
				added few more questions from grading scheme document on postmortem report	6 Jul 2020 18:47 ManikHossain08 < 70ffeab
				update postmortem report questions	6 Jul 2020 18:29 ManikHossain08 < 5418967
				SmartHome+ project description	6 Jul 2020 18:09 Manik Hossain <4! a30b073
				description of the project on Readme file	6 Jul 2020 18:07 Manik Hossain <4! 7a0618b
				change the reference format	6 Jul 2020 17:51 ManikHossain08 < d7c493f
				Change format of the postmortem report	6 Jul 2020 17:41 ManikHossain08 < 97dc812
				Added appending and time tracking report of the delivery-1 on postmortem report	6 Jul 2020 17:33 ManikHossain08 < 1cf0b2e
				time tracking updated	6 Jul 2020 17:01 sakibshuvo <sakib 336a3d7
				time tracking excel	6 Jul 2020 16:54 sakibshuvo <sakib a7e7172
				meeting time tracking doc	6 Jul 2020 15:49 sakibshuvo <sakib fd9173c
				added hours I spend for each task	6 Jul 2020 15:17 ManikHossain08 < 0a14cd4
				formatting	6 Jul 2020 15:10 sakibshuvo <sakib 50c34e8
				minor changes in post mortem report	6 Jul 2020 15:07 sakibshuvo <sakib 07f8608
				formatted reference at the bottom	6 Jul 2020 15:07 ManikHossain08 < f5376fc
				merge commit	6 Jul 2020 18:41 divyabhagavathiap f74e982
				1. Updated references in background study, 2. Added Installation in section 5 of vision doc	6 Jul 2020 18:38 divyabhagavathiap f74e982
				sakib hour log	6 Jul 2020 14:34 sakibshuvo <sakib a4a3e90
				updated reading	6 Jul 2020 13:58 sakibshuvo <sakib 0ed0f9e
				User Environment and Assumptions updated. Release Version Column Updated.	6 Jul 2020 12:55 Apoorv Semwal <e f8ea591
				Merge branch 'master' of https://github.com/sakibshuvo/SOEN-6481-SRS	6 Jul 2020 12:34 Apoorv Semwal <e 6079e40
				Revert "Reviewed and updated dependency and user environment subsections."	6 Jul 2020 12:34 Apoorv Semwal <e 94c0985
				Reviewed and updated dependency and user environment subsections.	6 Jul 2020 9:20 Apoorv Semwal <e 3bf7f27
				Fixed typos on vision document	6 Jul 2020 9:18 ManikHossain08 < 9a032ab
				features and alternatives Signed-off-by: nikpat9 <JuPiTeR@1@3>	6 Jul 2020 2:05 nikpat9 <JuPiTeR@ 4e65cde

Fig-2: Team logging history

## Appendix D

Requirement elicitation for task-1 collaboration and peer review history on google drive:

[https://docs.google.com/document/d/1lljewF2ti\\_bijVXjqJgKjdT\\_azW3vI\\_IS0HLsr1wrS8/edit?ts=5efc0147#heading=h.7ik6ac3oskyt](https://docs.google.com/document/d/1lljewF2ti_bijVXjqJgKjdT_azW3vI_IS0HLsr1wrS8/edit?ts=5efc0147#heading=h.7ik6ac3oskyt)