



Capstone Project 2

CMU-SE 451

Sprint Backlog

Version 2.6

Date: 30/05/2021

ViVu - The smart travel system supports with chatbot and short video social network

Submitted by

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Approved by Nguyen Duc Man

Project Information

Project acronym	ViVu		
Project Title	The smart travel system supports chatbot and integrates short video social network		
Start Date	22 Feb 2021	End Date	30 May 2021
Lead Institution	International School, Duy Tan University		
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Sprint Backlog Document

Document Title	Sprint Backlog Document		
Reporting Period			
Author(s) & Project	Sang, Nguyen Thanh, Scrum Master		
Team Information	Name	Role	
	Sang, Nguyen Thanh	Member	
	Tuan, Doan Kim	Member	
	Thuyen, Pham Van	Member	
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Document History		
Version	Date	Comment
V2.0	08/03/2021	Create Sprint Backlog Sprint 1
V2.1	22/03/2021	Update Sprint Backlog Sprint 2
V2.2	05/04/2021	Update Sprint Backlog Sprint 3
V2.3	19/04/2021	Update Sprint Backlog Sprint 4
V2.4	03/05/2021	Update Sprint Backlog Sprint 5
V2.5	18/05/2021	Update Sprint Backlog Sprint 6
V2.6	30/05/2021	Summary of main content and add working time chart

Document Approvals

The following signatures are required for approval of this document.

MSc Man, Nguyen Duc Mentor		Date
Sang, Nguyen Thanh Scrum master, Dev		Date
Tuan, Doan Kim Product Owner, Dev		Date
Thuyen, Pham Van Dev, Tester		Date
Loc, Phung Hoang Phu Dev		Date

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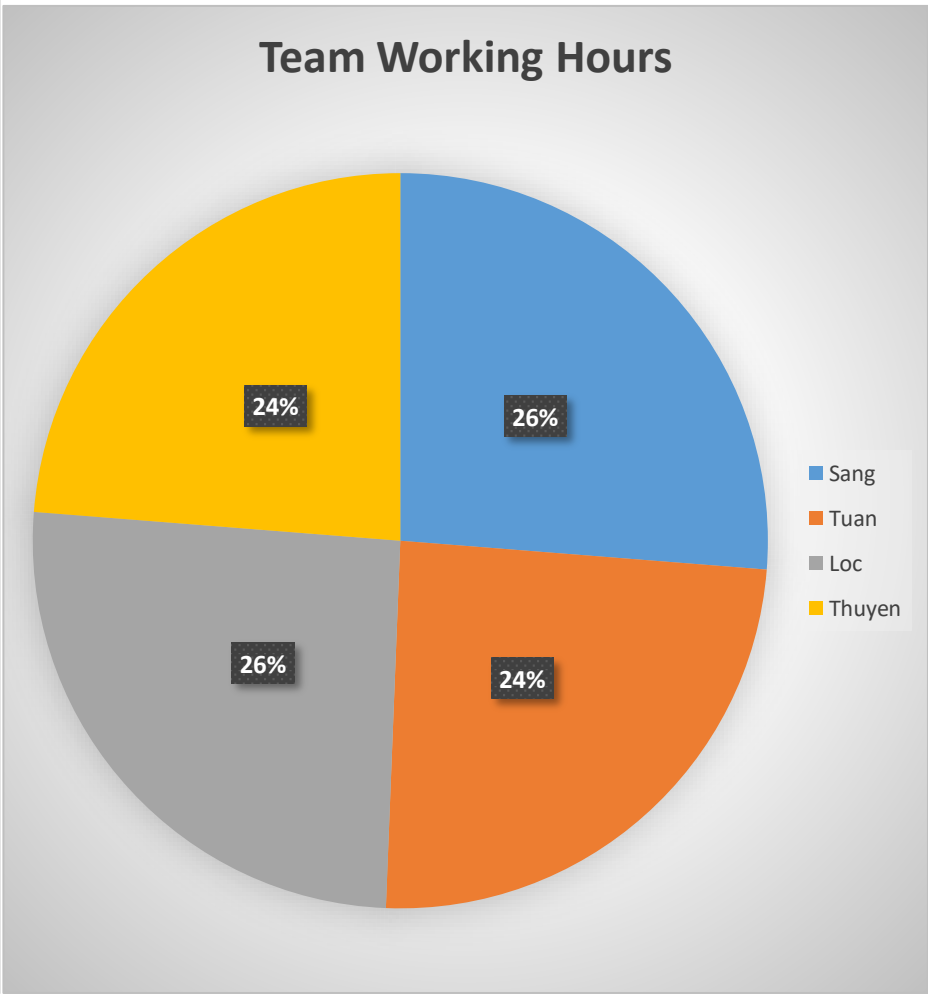
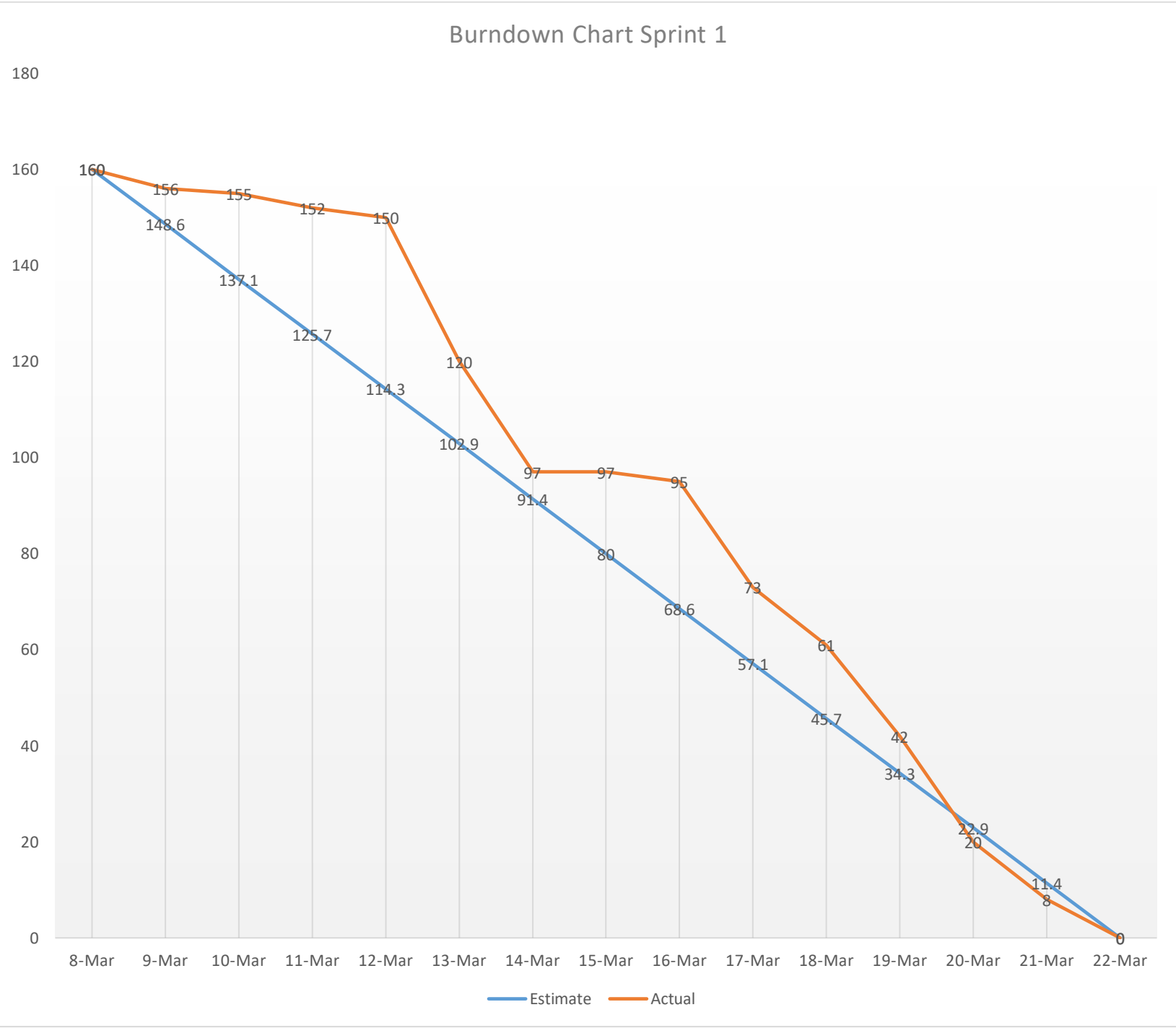
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1. Sprint 1

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	08/03	08/03
2	Collect all requirements of Travel system	All members	done	15	08/03	10/03
3	Collect all requirements of Short Video Social Network	All members	done	16	09/03	12/03
4	Analyze all requirements	All members	done	14	13/03	16/03
5	Update Database Design Document	Loc Phung	done	5	15/03	15/03
6	Update Architecture Design Document	Sang Nguyen	done	10	17/03	18/03
7	Update Product Backlog	Tuan Doan	done	6	16/03	17/03
8	Update User Story	Thuyen Pham	done	8	19/03	20/03
9	Update Interface Design Document	Tuan Doan	done	5	18/03	19/03
10	Create Test Plan for Sprint 1	Thuyen Pham	done	4	09/03	10/03
11	Design Testcase for Sprint 1	Thuyen Pham	done	8	11/03	13/03
12	Add social network screen	Sang Nguyen	done	12	18/03	20/03
13	Add post, user_following, interacting_post, comment tables in database	Loc Phung	done	5	19/03	21/03
14	Change UI for app	Tuan Doan	done	9	20/03	21/03
15	Re-develop UI for list tours	Sang Nguyen	done	7	19/03	20/03
16	Test for Sprint 1	Thuyen Pham	done	10	20/03	21/03
17	Team Daily meeting	All members	done	10	08/03	20/03
18	Sprint Review meeting	All members	done	8	13/03	13/03
19	Sprint Retrospective	All members	done	4	21/03	21/03
				160	08/03	21/03

Milestone	07/03	08/03	09/03	10/03	11/09	12/03	13/03	14/03	15/03	16/03	17/03	18/03	19/03	20/03	21/03
Estimated Time (Hours)	160	148.6	137.1	125.7	114.3	102.9	91.4	80	68.6	57.1	45.7	34.3	22.9	11.4	0
Actual Time Remaining(Hours)	160	156	155	152	150	120	97	97	95	73	61	42	20	8	0
Actual Time(Hours)	0	4	1	3	2	30	23	0	2	22	12	19	22	12	8

Members	Working Hours
Sang	42
Tuan	39
Loc	41
Thuyen	38



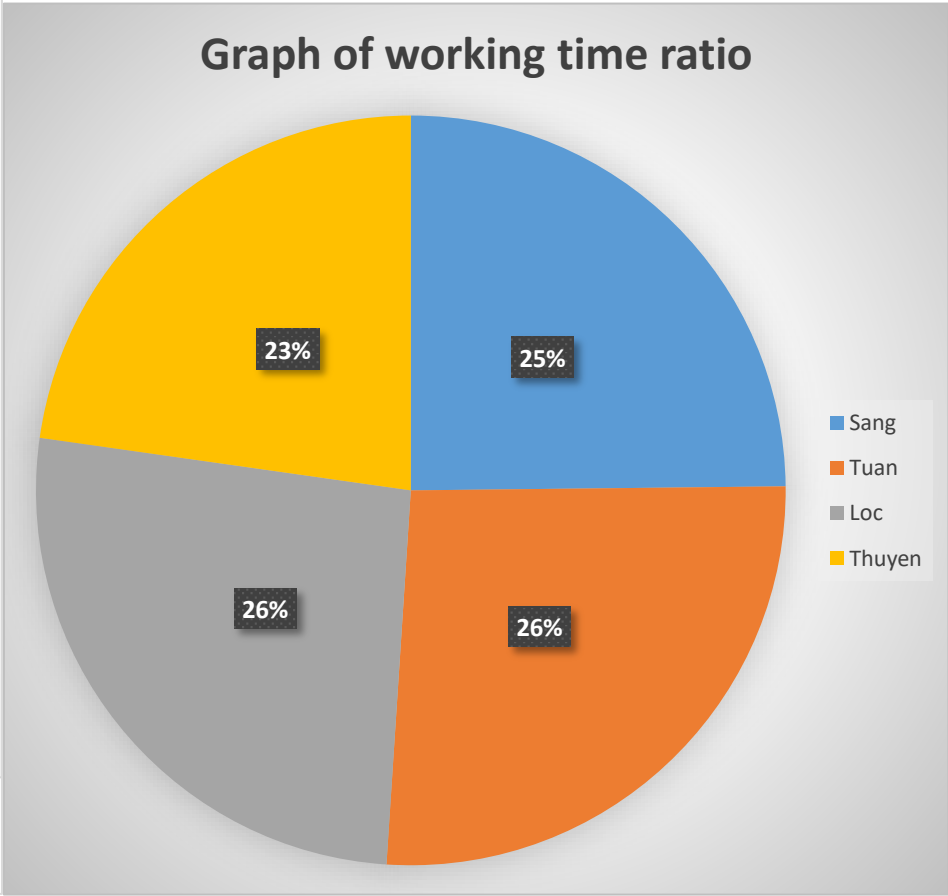
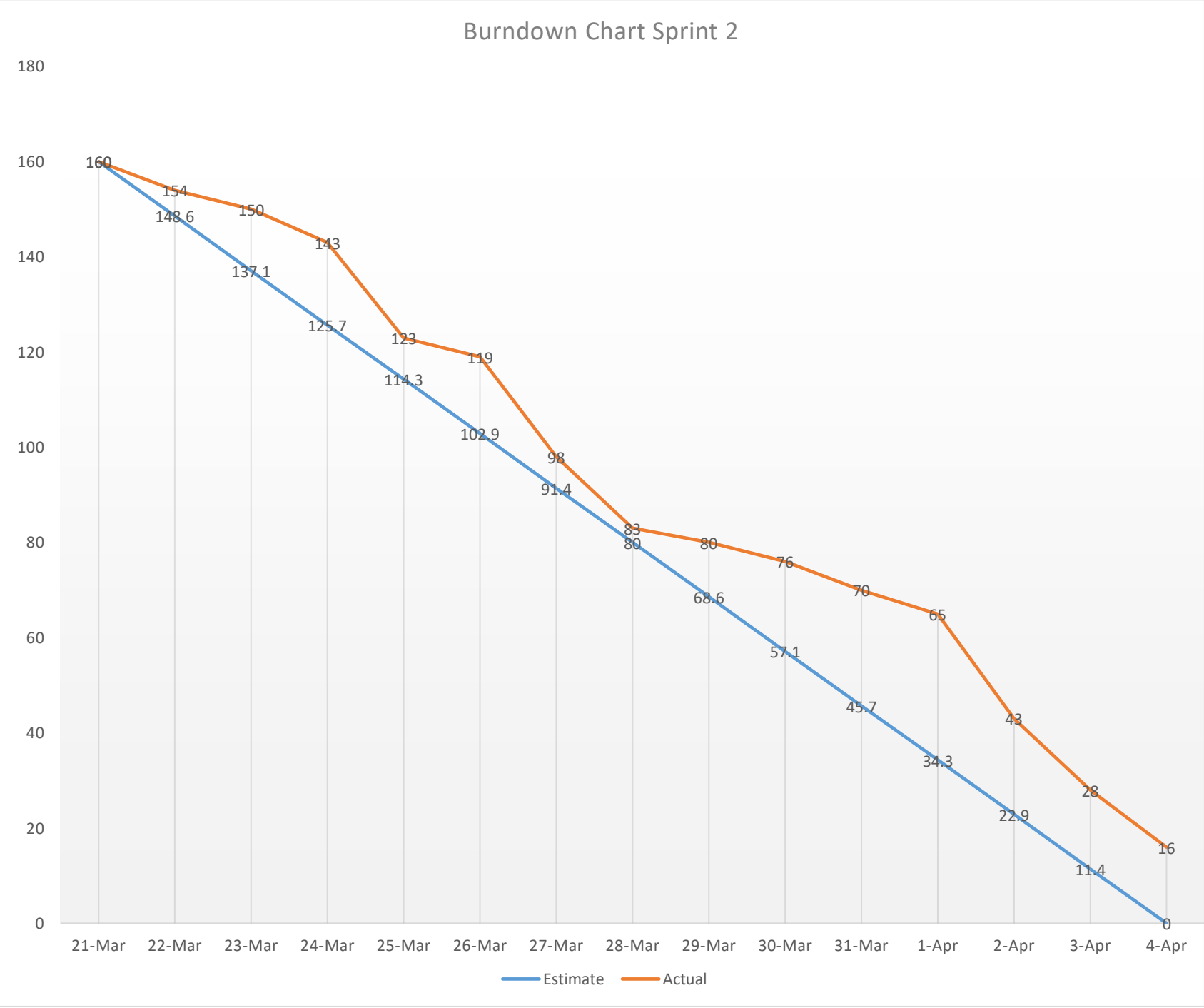
2. Sprint 2

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	22/03	22/03
2	Update Product Backlog	Tuan Doan	done	2	22/03	23/03
3	Update User Story	All members	done	2	22/03	24/03
4	Update Sprint Backlog	Sang Nguyen	done	5	23/03	24/03
5	Update Architecture Design Document	Sang Nguyen	done	3	25/03	26/03
6	Update Interface Design Document	Tuan Doan	done	4	24/03	27/03
7	Create Test Plan for Sprint 2	Thuyen Pham	done	3	25/03	25/03
8	Design Test Case for Sprint 2	Thuyen Pham	done	8	26/03	28/03
9	Re-develop UI for tour detail	Tuan Doan	done	5	26/03	27/03
10	Handle UI for creating tour schedule on chatbot	Sang Nguyen	done	12	25/03	28/03
11	Integrate shortest path algorithm for efficient schedule generation	Sang Nguyen	done	6	27/03	29/03
12	Research Video Content Detection	Thuyen Pham	done	18	27/03	30/03
13	Develop UI for social network in main screen	Loc Phung	done	6	28/03	30/03
14	Create API for get list post	Loc Phung	done	3	29/03	31/03
15	Create API for list trending post	Sang Nguyen	done	5	30/03	31/03
16	Develop scan ticket feature	Thuyen Pham	not done	8	01/04	03/04
17	Integrate map checking places	Tuan Doan	not done	9	01/04	03/04
18	Apply voucher in app	Tuan Doan	done	6	02/04	03/04
19	Create API for getting list voucher	Loc Phung	done	6	01/04	02/04
20	Handle applying voucher for user	Thuyen Pham	done	3	03/04	03/04
21	Test for Sprint 2	Thuyen	done	20	01/04	04/04
22	Team Daily meeting	All members	done	14	22/03	03/04

23	Sprint Review meeting	All members	done	4	27/03	27/03
24	Sprint Retrospective	All members	done	4	04/04	04/04
				160	22/03	04/04

Milestone	21/ 03	22/ 03	23/ 03	24/ 03	25/ 03	26/ 03	27/ 03	28/ 03	29/ 03	30/ 03	31/ 03	01/ 04	02/ 04	03/ 04	04/ 04
Estimated Time (Hours)	160	148.6	137.1	125.7	114.3	102.9	91.4	80	68.6	57.1	45.7	34.3	22.9	11.4	0
Actual Time Remaining(Hours)	160	154	150	143	123	119	98	83	80	76	70	65	43	28	16
Actual Time(Hours)	0	6	4	7	20	4	21	15	3	4	6	5	22	15	12

Members	Working hours
Sang	36
Tuan	38
Loc	38
Thuyen	33

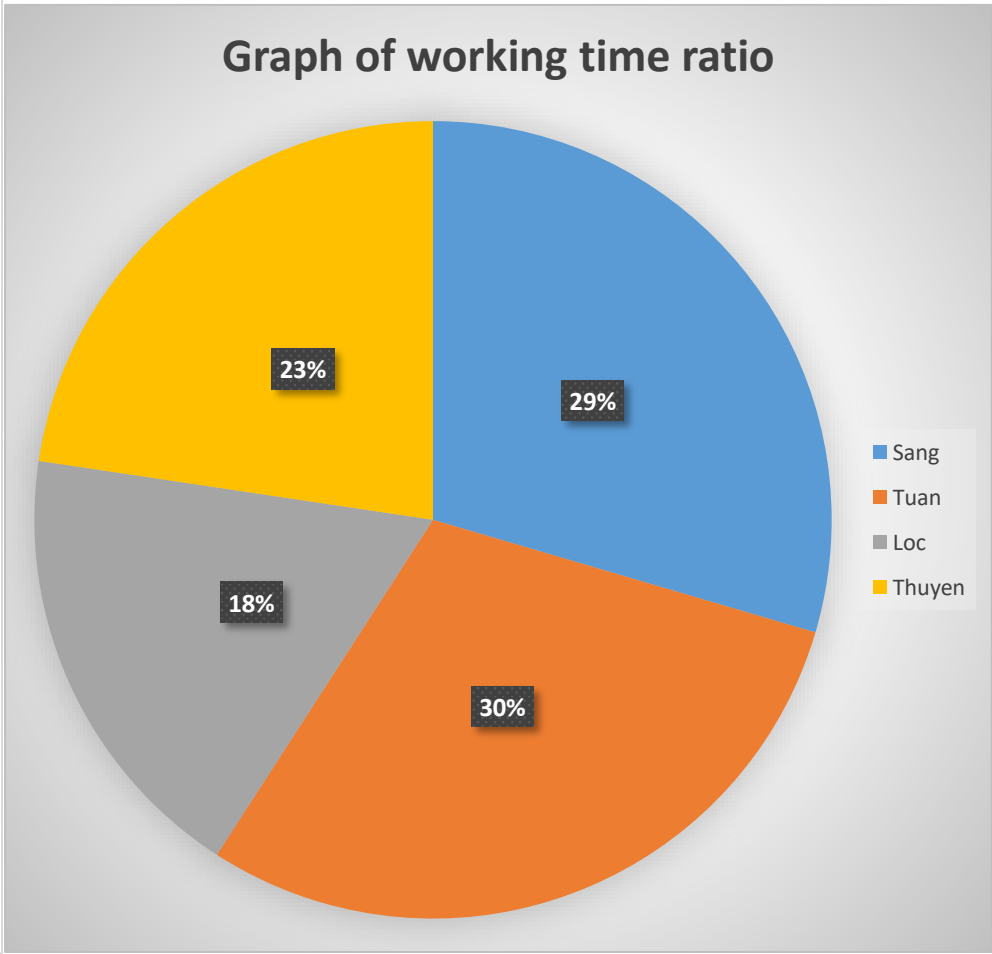
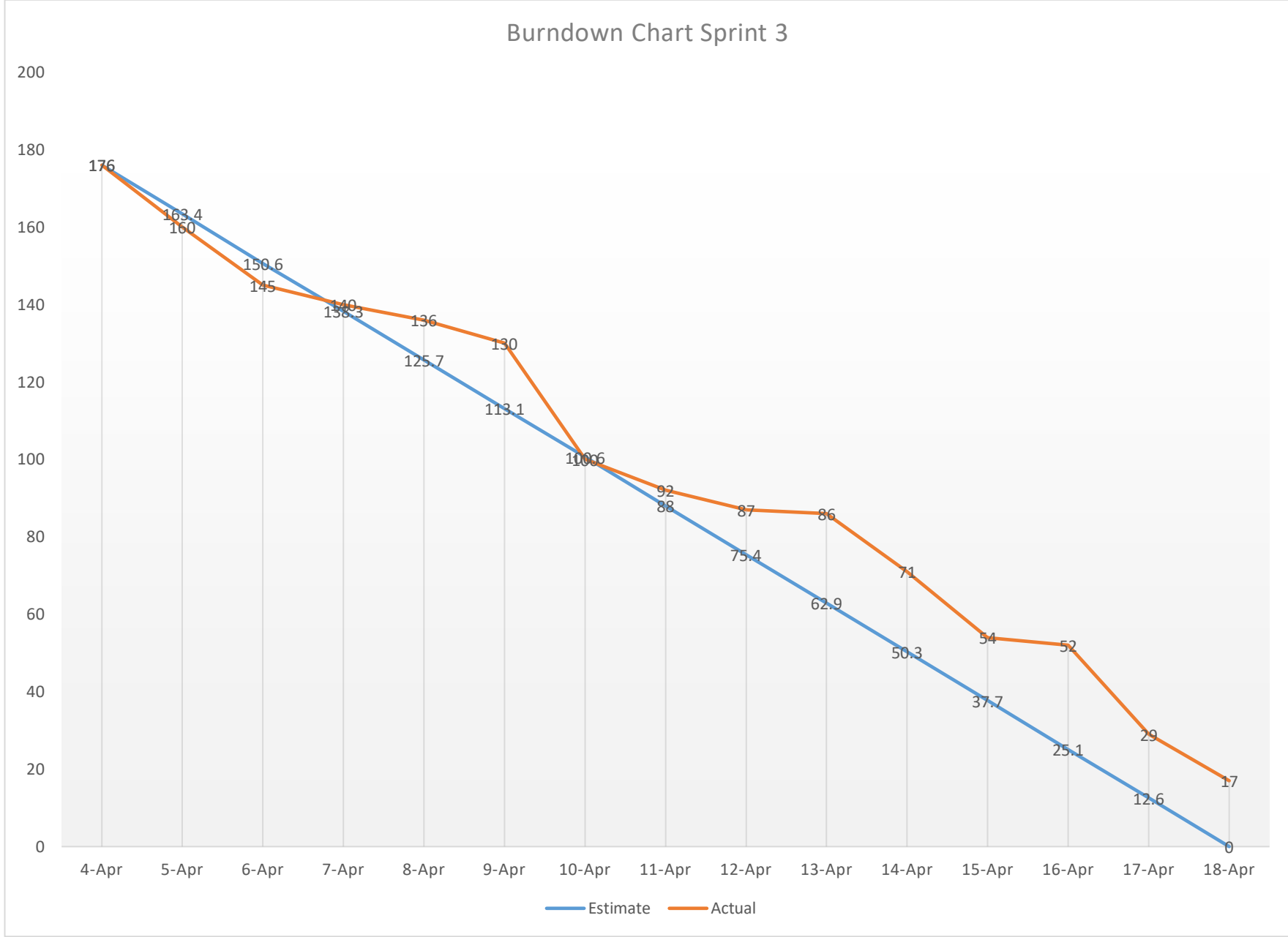


3. Sprint 3

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	05/04	05/04
2	Update Sprint Backlog	Sang Nguyen	done	6	05/04	06/04
3	Update Architecture Design Document	Tuan Doan	done	4	06/04	08/04
4	Update Test Plan	Thuyen Pham	done	4	06/04	07/04
5	Design Test Case for Sprint 3	Thuyen Pham	done	6	08/04	10/04
6	Develop scan ticket feature	Sang Nguyen	not done	8	07/04	09/04
7	Integrate map checking places	Tuan Doan	done	10	07/04	10/04
8	Integrate advertisements in app	Loc Phung	not done	10	09/04	12/04
9	Develop UI for post video in social network	Sang Nguyen	done	7	08/04	13/04
10	Upload video to google storage	Loc Phung	done	9	11/04	13/04
11	Create API for posting video	Sang Nguyen	done	11	12/04	14/04
12	Enhance UI in post to interact emotion in videos	Thuyen Pham	done	7	11/04	14/04
13	Develop API for like and dislike a post	Tuan Doan	done	6	13/04	15/04
14	Enhance UI to comment in a post	Tuan Doan	done	8	14/04	16/04
15	Develop API for commenting a post	Sang Nguyen	done	7	15/04	16/04
16	Create UI for user self-manage social network videos	Sang Nguyen	done	11	15/04	17/04
17	Develop API for getting list post by user ID	Loc Phung	done	9	15/04	16/04
18	Test for Sprint 3	Thuyen Pham	done	21	10/04	18/04
19	Team Daily meeting	All members	done	16	05/04	17/04
20	Sprint Review meeting	All members	done	8	09/04	09/04
21	Sprint Retrospective	All members	done	4	18/04	18/04
				176	05/04	18/04

Milestone	04/04	05/04	06/04	07/04	08/04	09/04	04/04	11/04	12/04	13/04	14/04	15/04	16/04	17/04	18/04
Estimated Time (Hours)	176	163.4	150.9	138.3	125.7	113.1	100.6	88	75.4	62.9	50.3	37.7	25.1	12.6	0
Actual Time Remaining(Hours)	176	160	145	140	136	130	100	92	87	86	71	54	52	38	17
Actual Time(Hours)	0	16	15	5	4	6	30	8	5	1	15	17	2	14	21

Members	Working hours
Sang	47
Tuan	47
Loc	29
Thuyen	36

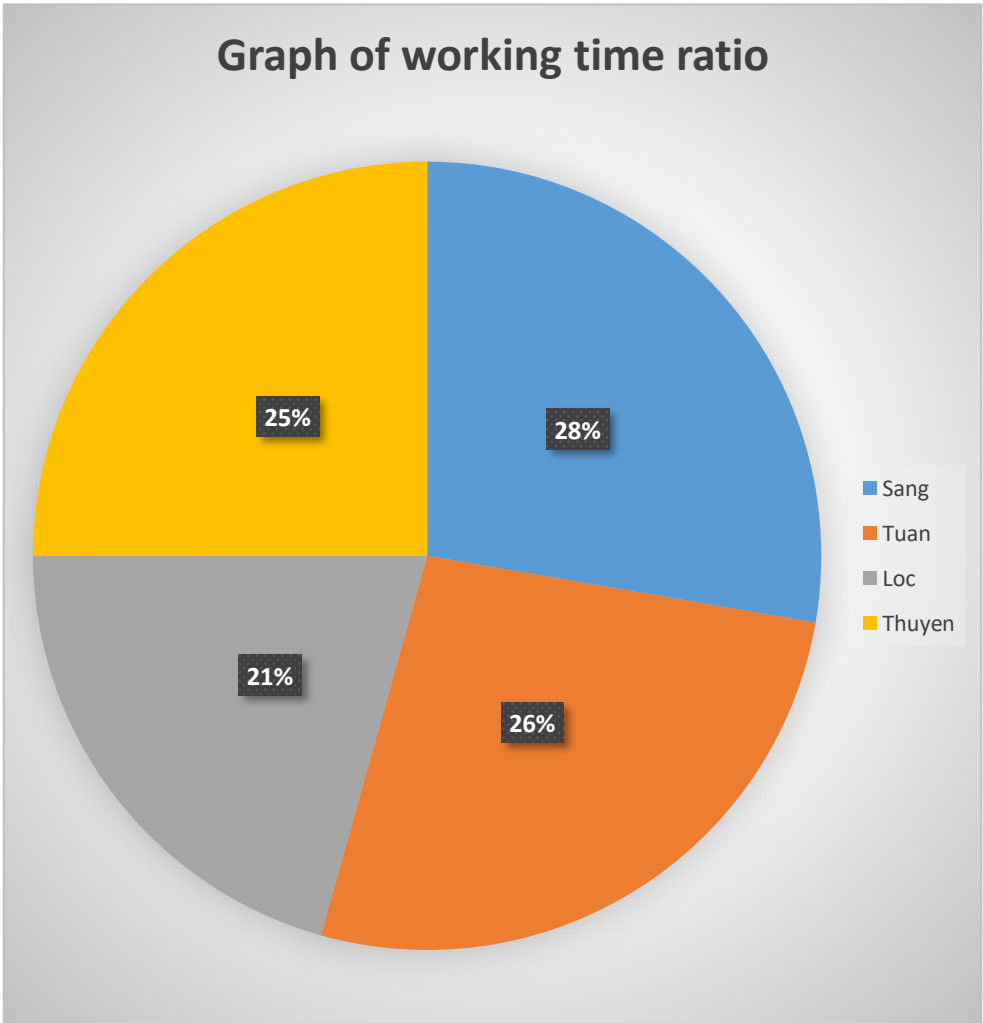
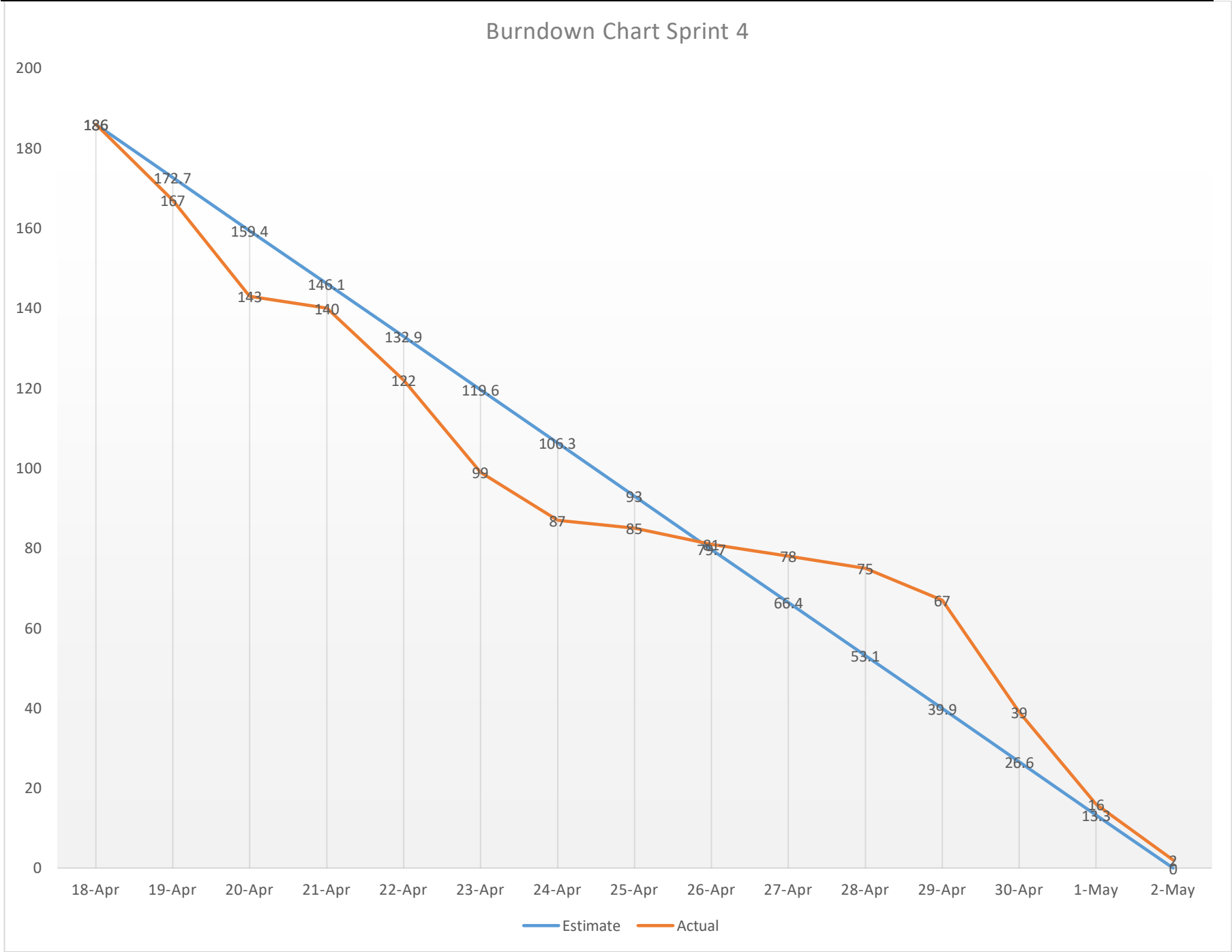


4. Sprint 4

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	19/04	19/04
2	Update Sprint Backlog	Sang Nguyen	done	6	19/04	20/04
3	Update Architecture Design Document	Tuan Doan	done	7	20/04	22/04
4	Update Test Plan	Thuyen Pham	done	3	22/04	23/04
5	Design Test Case for Sprint 4	Loc Phung	done	16	24/04	27/04
6	Develop scan ticket feature	Sang Nguyen	done	5	25/04	26/04
7	Integrate advertisements in app	Sang Nguyen	done	6	27/04	29/04
8	Make messenger UI in app	Tuan Doan	done	9	26/04	30/04
9	Develop API to send and receive message in app	Loc Phung	done	5	24/04	26/04
10	Create trigger to gain social coin automation	Tuan Doan	done	9	27/04	29/04
11	Create UI for checking user wallet	Tuan Doan	done	8	28/04	29/04
12	Develop API to get list coin of user	Loc Phung	done	7	26/04	28/04
13	Enhance UI of account setting	Thuyen Pham	not done	12	29/04	01/05
14	Develop API for updating account setting	Thuyen Pham	done	13	01/05	01/05
15	User check post-interaction history	Sang Nguyen	done	16	30/04	01/05
16	Develop API for check list post-interaction history	Sang Nguyen	done	8	29/04	01/05
17	Test for Sprint 4	Thuyen	done	20	26/04	02/05
18	Team Daily meeting	All members	done	20	19/04	01/05
19	Sprint Review meeting	All members	done	8	23/04	23/04
20	Sprint Retrospective	All members	done	4	02/05	02/05
				186	19/04	02/05

Milestone	18/04	19/04	20/04	21/04	22/04	23/04	24/04	25/04	26/04	27/04	28/04	29/04	30/04	01/05	02/05
Estimated Time (Hours)	186	172.7	159.4	146.1	132.9	119.6	106.3	93	79.7	66.4	53.1	39.9	26.6	13.3	0
Actual Time Remaining(Hours)	186	167	143	140	122	99	87	85	81	78	75	67	39	16	2
Actual Time(Hours)	0	19	24	3	18	23	12	2	4	3	3	8	28	23	14

Members	Hours
Sang	51
Tuan	49
Loc	38
Thuyen	46

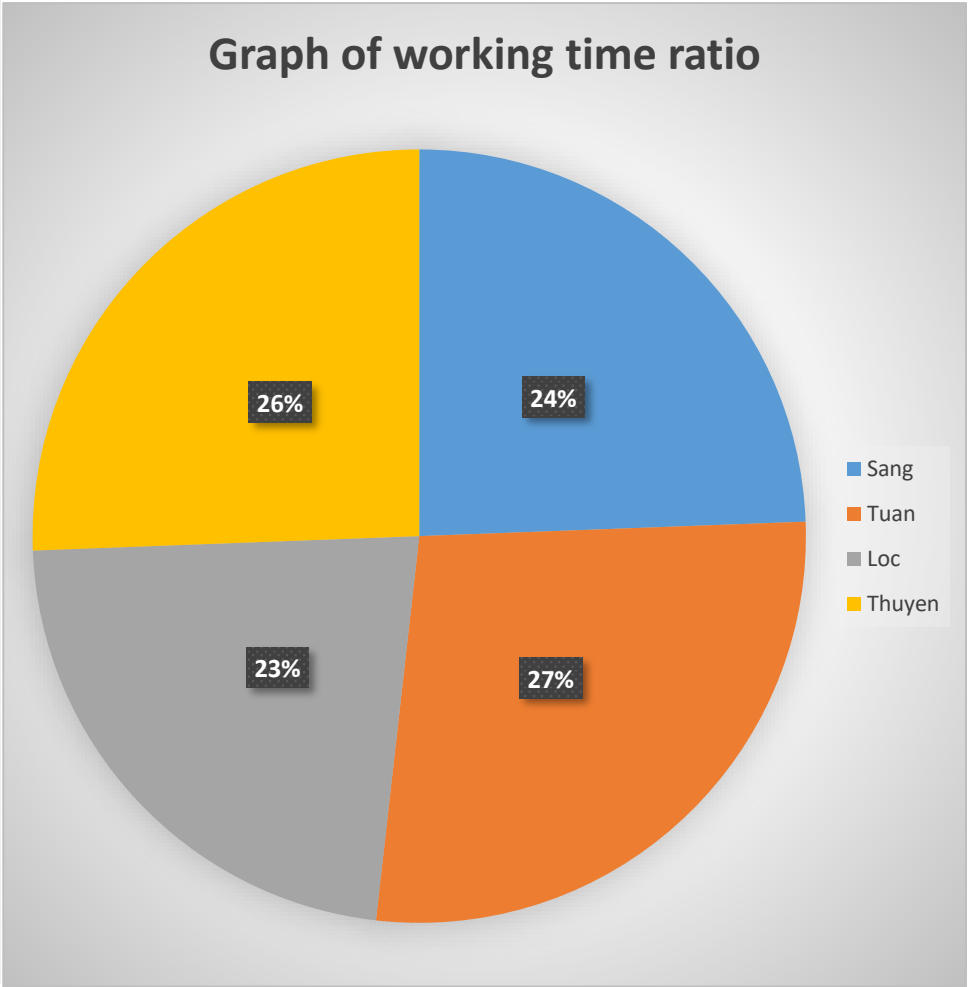
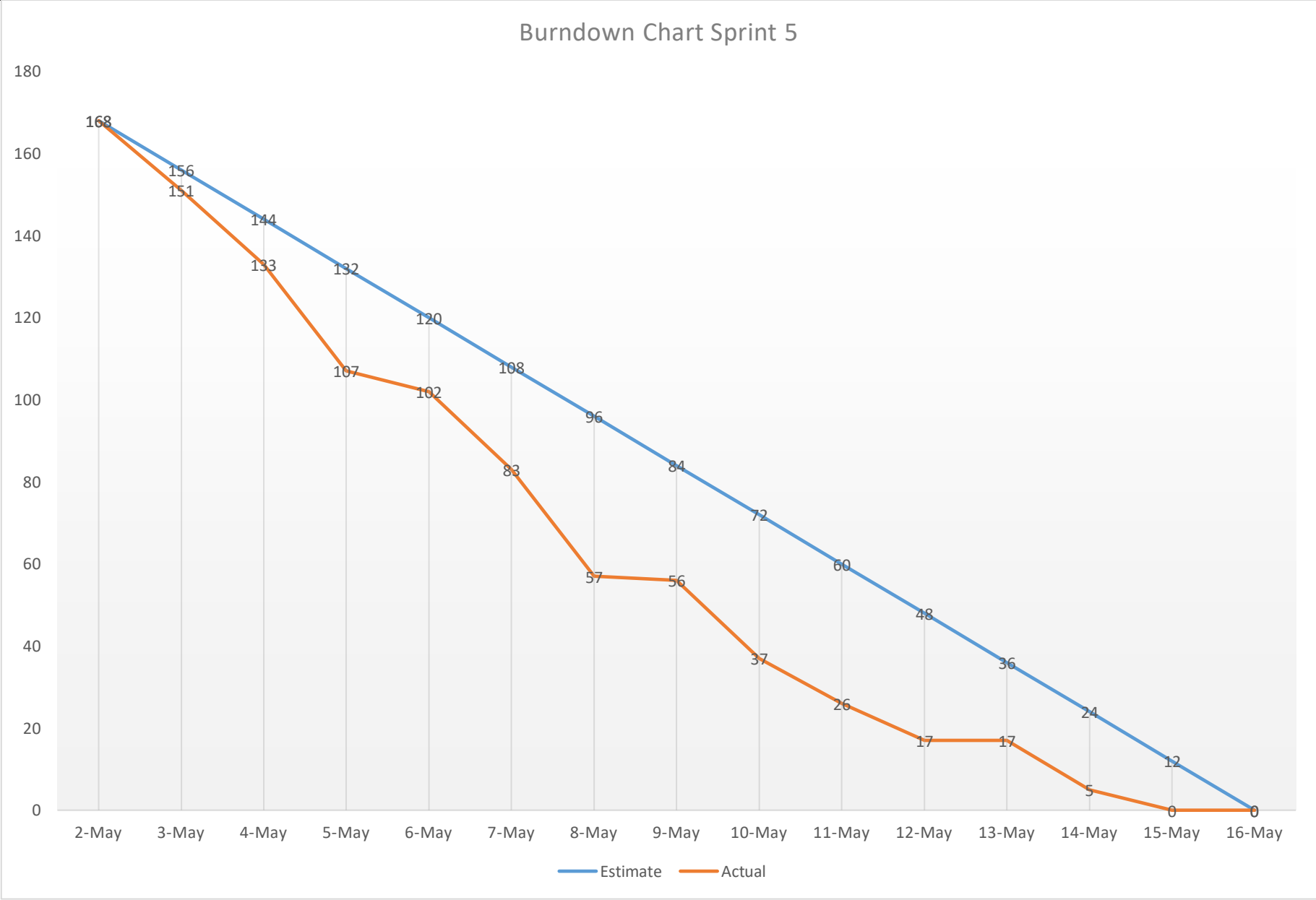


5. Sprint 5

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	03/05	03/05
2	Update Sprint Backlog	Sang Nguyen	done	8	03/05	04/05
3	Update Test Plan	Thuyen Pham	done	6	04/05	07/05
4	Design Test Case for Sprint 5	Thuyen Pham	done	15	08/05	14/05
5	Enhance UI of account setting	Tuan Doan	done	2	04/05	07/05
6	Develop API to follow other users	Sang Nguyen	done	8	05/05	07/05
7	Enhance UI for following the other users in social network	Loc Phung	done	8	06/05	08/05
8	Handle UI to recommend video in social network	Sang Nguyen	done	11	08/05	11/05
9	Develop an API to get video recommendations	Tuan Doan	done	9	10/05	12/05
10	Handle detecting video content with Google Video Intelligent Service	Thuyen Pham, Sang Nguyen	done	19	06/05	14/05
11	Remove and send notification about video including harmful contents	Sang Nguyen	done	11	13/05	15/05
12	Enhance UI to report a video	Loc Phung	done	7	13/05	14/05
13	Develop API to report a video	Tuan Doan	done	6	12/05	13/05
14	Update notifications in app	Sang Nguyen	done	8	15/05	16/05
15	Test for Sprint 5	Loc Phung	done	18	12/05	16/05
16	Team Daily meeting	All members	done	16	03/05	15/05
17	Sprint Review meeting	All members	done	8	11/05	11/05
18	Sprint Retrospective	All members	done	4	16/05	16/05
				168	03/05	16/05

Milestone	02/05	03/05	04/05	05/05	06/05	07/05	08/05	09/05	10/05	11/05	12/05	13/05	14/05	15/05	16/05
Estimated Time (Hours)	168	156	144	132	120	108	96	84	72	60	48	36	24	12	0
Actual Time Remaining(Hours)	168	151	133	107	102	83	57	56	37	26	17	17	5	0	0
Actual Time(Hours)	0	17	18	26	5	19	26	1	19	11	9	0	12	5	0

Members	Hours
Sang	41
Tuan	46
Loc	38
Thuyen	43



6. Sprint 6

No.	Task	Responsible person	Status	Estimate (hours)	Start Date	End Date
1	Sprint kickoff meeting	All members	done	4	17/05	17/05
2	Update Sprint Backlog	Sang Nguyen	done	4	17/05	18/05
3	Update Test Plan	Thuyen Pham	done	4	17/05	18/05
4	Design Test Case for Sprint 6	Thuyen Pham	done	15	19/05	22/05
5	Manage all user vouchers in app	Tuan Doan	done	9	18/05	23/05
6	Develop API for managing all user vouchers	Tuan Doan	done	11	23/05	26/05
7	Transfer from social coin to voucher	Sang Nguyen	done	9	19/05	21/05
8	Develop API to manage all posts in web	Sang Nguyen	done	8	20/05	22/05
9	Manage posts in web	Loc Phung	done	11	19/05	23/05
10	Manage the list of reported posts in web	Sang Nguyen	done	10	21/05	24/05
11	Manage user coin	Tuan Doan	done	6	22/05	25/05
12	Manage user messages in web	Loc Phung	done	7	26/05	27/05
13	Update manage list of vouchers in web	Loc Phung	done	10	27/05	29/05
14	Update manage all users	Loc Phung	done	8	28/05	29/05
15	Test for Sprint 6	Thuyen Pham	done	16	26/05	30/05
16	Team Daily meeting	All members	done	16	17/05	29/05
17	Sprint Review meeting	All members	done	8	25/05	25/05
18	Sprint Retrospective	All members	done	4	30/05	30/05
				160	17/05	30/05

Milestone	16/05	17/05	18/05	19/05	20/05	21/05	22/05	23/05	24/05	25/05	26/05	27/05	28/05	29/05	30/05
Estimated Time (Hours)	160	148.6	137.1	125.7	114.3	102.9	91.4	80	68.6	57.1	45.7	34.3	22.9	11.4	0
Actual Time Remaining(Hours)	160	153	128	112	98	74	47	46	27	15	7	7	5	0	0
Actual Time(Hours)	7	25	16	14	24	27	1	19	12	8	0	2	5	0	0

Members	Hours
Sang	39
Tuan	41
Loc	45
Thuyen	35

