Main Task Name	Story / Task	Size	User Assigned (AB, IJ, JM, JK, MS, VM)	_				Effort F Thurs		ning Sat	Sur
Example	As a <user> I want a <thing> so that I can <do this=""></do></thing></user>	-	-	-	-	-	-	-	-	-	-
	Cryptosystem User Stories										
RS	A Attacking User Stories										
LSB	Image Stego User Stories										
LSB Imag	ge Stego Attacking User Stories										
N	lew Stego User Stories										
New S	Stego Attacking User Stories										
1	Inplanned User Stories										
Extract Data and Find Structure	As a user, I want to be able to extract data from the image and test it for structure	4									
Find the PSNR	As a user, I want to know the peak signal to noise ratio (PSNR) so that I know the image quality of my produced image	4	VM								
	. , , , , ,										
				-	Mon			Thurs	Fri	Sat	Su
	SPRINT #4			23	21	20	16	15	8	2	0
Encode and decode a message	Cryptosystem User Stories  As a user, I want to be able to encode and decode a message using private and public keys so that I can securly send messages	4	IJ	1	0	0	0	0	0	0	0
Pollard's Algorithm	As a user, I want to be able to attack RSA using Pollard's Algorithm	3	AB	3	3	3	2	1	0	0	0
Chinese Remainder Theorem	As a user, I want to be able to attack RSA using the Chinese Remainder Theorem	3	AB, MS	3	3	3	2	2	1	0	0
Organize RSA	As a team, we need organize RSA files to be more organized	4	AB, IJ, MS	4	4	4	4	4	3	2	0
	lew Stego User Stories										
Extract message from Sudoku puzzle	As a user, I want to be able to extract a message hidden in a Sudoku puzzle	4	VM	4	3	2	0	0	0	0	0
CSV Embed Message	As a user, I want to be able to embed a message into CSV file using # of spaces	3	JK	3	3	3	3	3	1	0	0
CSV Extract Message	As a user, I want to be able to extract a message from a CSV file using # of spaces As a user, I want to be able to tell if there are	3	JK	3	3	3	3	3	1	0	0
CSV Attack	cells with only spaces  As a user, I want to be able to tell if there are	1	JK	1	1	1	1	1	1	0	0
CSV Null Data	cells with just spaces so as to remove any message	1	JK	1	1	1	1	1	1	0	0
	Burndown Sprint #4										<u> </u>
24											-
g											
.i.u. 18											
9 12											
t Re											
Effort Remaining											
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0	- Mon Tues Wed Thurs Fri Day	Sat Sun									
				-	Mon			Thurs		Sat	Su
	SPRINT #3			21	21	21	14	13	9	6	1

Cenerate private and public key and decrypt messages   2	1 0 1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1 0 1 2 0	2 1 0	2 2 0 1 3 0	2 2 1 1 3 0	2 2 4 3	2 2 4 3	2 3 2 4 3	AB, IJ, MS  MS  JK  JM, VM  VM  JM	2 2 4 3	As a user, I want to be able to generate a public and private key so that I can encrypt and decrypt messages  As a user, I want to be able to encode and decode a message using private and public keys so that I can securly send messages  As a user, I want to be able to attack RSA using Fermat's Factorization  mage Stego User Stories  As a user, I want to be able to null over the image data to distroy any previous message  w Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Generate private and public key  Encode and decode a message  Fermat Factorization  LSB   Null Image Data  Note:  Create New Stego User Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Use Interest pin vate and public and private key so that I can encrypt and decrypt messages  Encode and decode a As a user, I want to be able to encode and decode an essage using private and public keys so that I can security send messages  Fermat Factorization  LSB Image Stego User Stories  Null Image Data  As a user, I want to be able to attack RSA using Fermat's Factorization  As a user, I want to be able to attack RSA using Fermat's Factorization  As a user, I want to be able to attack RSA using Fermat's Factorization  As a user, I want to be able to mull over the image data to distroy any previous message  Null Image Data  As a user, I want to be able to null over the image data to distroy any previous message  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  Embed message into Sa a user I want to be able to send a see what needs to be done  Solve Sudoku Puzzle  Destroy Sudoku  Message  Burndown Sprint #3  Burndown Sprint #3  — Men Tues Wed Thurs Fri Sat Sun  Day  — Mon Tues Wed Thurs Fri	1 1 0 0 0 1 0 0 0 0 0 0 0 0 0	1 0 1 2 0	2 1 0	2 2 0 1 3 0	2 2 1 1 3 0	2 2 4 3	2 2 4 3	2 3 2 4 3	AB, IJ, MS  MS  JK  JM, VM  VM  JM	2 2 4 3	public and private key so that I can encrypt and decrypt messages  As a user, I want to be able to encode and decode a message using private and public keys so that I can securly send messages  As a user, I want to be able to attack RSA using Fermat's Factorization  mage Stego User Stories  As a user, I want to be able to null over the image data to distroy any previous message  w Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	public key  Encode and decode a message  Fermat Factorization  LSB I  Null Image Data  No  Create New Stego User Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Create New Stego User Stories   As a developer team, we want user stories of the new stegonography so that we can selvation by a ballot to be dable to send a south was a surer want to be able to send a south was a surer want to be able to null over the mage data to distroy any previous message   JM, VM   2   2   2   1   1   1	1 0 0 1 1 0 2 0 0 0	1 0 1 2 0	1 0 2 0	0 1 3 0	1 1 3 0	2 2 4 3	2 4 3	2 4 3	JK  JM, VM  VM  JM	2 4 3	decode a message using private and public keys so that I can securly send messages As a user, I want to be able to attack RSA using Fermat's Factorization  mage Stego User Stories As a user, I want to be able to null over the image data to distroy any previous message  w Stego User Stories As a developer team, we want user stories of the new stegonography so that we can see what needs to be done As a user I want to be able to send a solvable Sudoku puzzle with an embedded message I want a program that can solve sudoku puzzles in case the user cannot I want to prevent others from using our sudoku puzzle by destroying/making the	message  Fermat Factorization  LSB I  Null Image Data  Note: The control of the c	
LSB Image Stego User Stories  Null Image Data  As a user, I want to be able to null over the image data to distroy any previous message  New Stego User Stories  Create New Stego User Stories  Create New Stego User Stories  Create New Stego User Stories  As a developer team, we want user stories see what needs to be done  Solvable puzzle  Embed message Into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku  I want a program that can solve sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzle by destroying/making the user cannot  U	0 0 1 0 2 0 0 0	0 1 2 0	0 1 2 0	0 1 3 0	1 3 0	2 4 3	2 4 3	2 2 4 3	JK  JM, VM  VM  JM	2 4 3	mage Stego User Stories  As a user, I want to be able to null over the image data to distroy any previous message  we Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Null Image Data  Note: The Create New Stego User Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Null Image Data  As a user, I want to be able to null over the image data to distroy any previous message  New Stego User Stories  Create New Stego User Stories  Solve Sudoku Puzzle I want to be able to send a solvable Sudoku puzzle with an embedded message  Solve Sudoku Puzzle  Destroy Sudoku Message  Burndown Sprint #3  Burndown Sprint #3  Burndown Sprint #3  - Mon Tues Wed Thurs Fri Sat Sun  Day  - Mon Tues Wed Thurs Fri Sat Sun  Destroy Thurs Wed Thurs Fri Sat Sun  Destroy Tues Wed Thurs Fri Sat Sun  Destroy Sudoku Message  - Mon Tues Wed Thurs Fri Sat Sun  Destroy Sudoku Sudoku Puzzle by destroying/making the sudok	1 0 2 0 0 0	1 2 0	1 2 0	1 3 0	1 3 0	2 4 3	2 4 3	2 4 3	JM, VM VM JM	2 4 3	As a user, I want to be able to null over the image data to distroy any previous message   we Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Null Image Data  Note The New Stego User Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
New Stego User Stories  Create New Stego User Stories  Create New Stego User Stories  Create New Stego User Stories  Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku Puzzle  Destroy Sudoku Message  Burndown Sprint #3  Burndown Sprint #3    As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded 4 VM 4 4 4 3 3 2 2 2 1 1 1 1 1 sensus the user cannot 1 want a program that can solve sudoku puzzles in case the user cannot 2 2 3 M, VM 4 4 4 4 4 3 3 3 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 0 2 0 0 0	1 2 0	1 2 0	1 3 0	1 3 0	2 4 3	2 4 3	2 4 3	JM, VM VM JM	2 4 3	image data to distroy any previous message  we Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Note that the street of the st	
New Stego User Stories  Create New Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  Embed message into Sudoku puzzle with an embedded solvable Sudoku puzzle with an embedded message  Solve Sudoku Puzzle  Destroy Sudoku Message  I want to prevent others from using our sudoku puzzle by destroying/making the puzzle unsolvable  Burndown Sprint #3  Burndown Sprint #3  Burndown Sprint #3  - Mon Tues Wed Thurs Fri Sat Sun  Daly  - Mon Tues Wed Thurs Fri	1 0 2 0 0 0	1 2 0	1 2 0	1 3 0	3	2 4 3	2 4 3	2 4 3	JM, VM VM JM	2 4 3	As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Note that the street of the st	
Create New Stego User Stories  As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  Embed message into Sudoku puzzle  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  Solve Sudoku Puzzle  Destroy Sudoku Message  I want a program that can solve sudoku puzzle in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the puzzle unsolvable  Burndown Sprint #3  Burndown Sprint #3  - Mon Tues Wed Thurs Fri Sat Sun  - Mon Tues Wed Thurs Fri	2 0 0	2	2	3	3	3	3	4 3	VM	4 3	As a developer team, we want user stories of the new stegonography so that we can see what needs to be done  As a user I want to be able to send a solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Create New Stego User Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Stories of the new stegonography so that we can see what needs to be done  Embed message into Sudoku puzzle with an embedded solvable Sudoku puzzle with an embedded message  Solve Sudoku Puzzle  I want a program that can solve sudoku puzzles in case the user cannot law to be stored to the stored	2 0 0	2	2	3	3	3	3	4 3	VM	4 3	of the new stegonography so that we can see what needs to be done As a user I want to be able to send a solvable Sudoku puzzle with an embedded message I want a program that can solve sudoku puzzles in case the user cannot I want to prevent others from using our sudoku puzzle by destroying/making the	Stories  Embed message into Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Solve Sudoku Puzzle message  Solve Sudoku Puzzle   Ivant a program that can solve sudoku puzzles in case the user cannot   3   JM   3   3   3   0   0   0    Destroy Sudoku Message   Ivant a program that can solve sudoku puzzles in case the user cannot   3   JM   3   3   3   3   0   0   0    Destroy Sudoku Message   Ivant to prevent others from using our sudoku puzzle unsolvable   3   JM   3   3   3   3   2    Burndown Sprint #3   3   JM   3   3   3   3   3   2    Burndown Sprint #3   18   18   19   19   18   19   19   19	0 0	0	0	0	0	3	3	3	JM	3	solvable Sudoku puzzle with an embedded message  I want a program that can solve sudoku puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Sudoku puzzle  Solve Sudoku Puzzle  Destroy Sudoku	
Destroy Sudoku Message livant to prevent others from using our sudoku puzzle by destroying/making the puzzle unsolvable 3 JM 3 3 3 3 3 2 2 3 3 3 3 3 3 3 3 3 3 3 3		_	-	_					-	-	puzzles in case the user cannot  I want to prevent others from using our sudoku puzzle by destroying/making the	Destroy Sudoku	
Burndown Sprint #3  Burndown Sprint #3  - Mon Tues Wed Thurs Fri Sat Sun  Day  - Mon Tues Wed Thurs Fri	0 0	0	2	3	3	3	3	3	JM	3	sudoku puzzle by destroying/making the		
24  18  12  Mon Tues Wed Thurs Fri Sat Sun  Day  - Mon Tues Wed Thurs Fri  - Mon Tues Wed Thurs Fri													
24  18  12  Mon Tues Wed Thurs Fri Sat Sun  Day  - Mon Tues Wed Thurs Fri  - Mon Tues Wed Thurs Fri													
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	Sat Sur	Cat	C-i	Thurs	\Mod	Tues	Mon				24,		
	3 2										SPRINT #2		
RSA Cryptosystem User Stories	0 2		U		10	21	20	00				RSA (	
Encode and decode a message using private and public decode a message with I can securily send messages  As a user, I want to be able to encode and decode a message using private and public keys so that I can securily send messages	2 2	2	2	2	3	3	4	4	AB, IJ, MS	4	As a user, I want to be able to encode and decode a message using private and public	Encode and decode a	
Generate prime number  As a user, I want to be able to generate large prime numbers so that I can use them to create private and public keys  AB, IJ, MS  4  3  0  0  0  0	0 0	0	0	0	0	0	3	4	AB, IJ, MS	4	As a user, I want to be able to generate large prime numbers so that I can use them	Generate prime number	
LSB Image Stego User Stories											mage Stego User Stories	LSB	
Compare Original Images   As a user, I want to be able to compare images to see whether the image was modified   As a user, I want to be able to compare images to see whether the image was    2 JM, JK   2 2 2 1 1 1	1 0	1	1	1	2	2	2	2	JM, JK	2	images to see whether the image was		
Embed bit in 1-LSB Monochrome plane  As a user, I want to be able to embed a bit into the 1-LSB plane so that I can send secret messages  VM, JK  3 3 2 1 1 0	0 0	0	0	1	1	2	3	3	VM, JK	3	into the 1-LSB plane so that I can send		
Embed bit in 2-LSB Monochrome plane  As a user, I want to be able to embed a bit into the 2-LSB plane so that I can send secret messages  VM, JK  3 3 2 1 1 0	0 0	0	0	1	1	2	3	3	VM, JK	3	As a user, I want to be able to embed a bit into the 2-LSB plane so that I can send		
Embed bit in 1-LSB RGB As a user, I want to be able to embed a bit into the 1-LSB plane so that I can send 3 VM, JK 3 3 2 1 1 0 secret messages	0 0	0	0	1	1	2	3	3	VM, JK	3	As a user, I want to be able to embed a bit into the 1-LSB plane so that I can send		
Embed bit in 2-LSB RGB As a user, I want to be able to embed a bit into the 2-LSB plane so that I can send secret messages  As a user, I want to be able to embed a bit into the 2-LSB plane so that I can send secret messages	0 0	0	0	1	1	2	3	3	VM, JK	3	As a user, I want to be able to embed a bit into the 2-LSB plane so that I can send		
Extract bit in 1-LSB Monochrome plane  As a user, I want to be able to extract a bit from the 1-LSB plane so that I can decode secret messages  VM, JK  2 2 1 1 0	0 0		0	1	1	2	2	2	VM, JK	2	As a user, I want to be able to extract a bit from the 1-LSB plane so that I can decode		
Extract bit in 2-LSB Monochrome plane  As a user, I want to be able to extract a bit from the 2-LSB plane so that I can decode secret messages  VM, JK  2 2 2 1 1 0		0							\/M_ II/				

	act bit in 1-LSB RGB plane	As a user, I want to be able to extract a bit from the 1-LSB plane so that I can decode secret messages	2	VM, JK	2	2	2	1	1	0	0	0
Extr	act bit in 2-LSB RGB plane	As a user, I want to be able to extract a bit from the 2-LSB plane so that I can decode secret messages	2	VM, JK	2	2	2	1	1	0	0	0
	Burn	down Sprint #2										
	40			-								
	iii 30 — <del>-</del>			-								
	Effort Remaining											
	20 ————————————————————————————————————											
	10 —— 11 Effor											
	0 ——											
		Mon Tues Wed Thurs Fri Sat Day	Sun									
		Day										
					-	Mon	Tues	Wed	Thurs	Fri	Sat	Sun
		SPRINT #1			15	15	14	10	7	7	7	0
	Assign Roles	As a team, we want to assign specific agile roles so that we can work productivity	1	ALL	1	1	1	0	0	0	0	0
	Find A Testing Framework	As a team, we need to have a testing framework so that we can have effective test driven development	4	MS, VM	4	4	3	1	0	0	0	0
(	Create A Backlog	As a developer, I want a graph of the burndown so that I can see our productivity	2	JK	2	2	2	1	0	0	0	0
С	Create RSA Cryptosystem User Stories	As a developer, I want user stories of the RSA cryptosystem so that I can see what needs to be done	2	IJ	2	2	2	2	2	2	2	0
Cre	eate RSA Attacking User Stories	As a developer, I want user stories of the RSA Attacking so that I can see what needs to be done	2	AB	2	2	2	2	2	2	2	0
Crea Att	ate LSB Image Stego acking User Stories	As a developer, I want user stories of the stegonography attack so that I can see what needs to be done	2	JM	2	2	2	2	2	2	2	0
Crea	ate LSB Image Stego User Stories	As a developer, I want user stories of the stegonography so that I can see what needs to be done	2	JK	2	2	2	2	1	1	1	0
	_											
		down Sprint #1										
	20 —		_	_								
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