| Main Task Name | Story / Task | Size | User Assigned (AB, IJ, JM, JK, MS, VM) | Days in Sprint / Effort Remaining | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | - | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
| Example | As a <user> I want a <thing> so that I can <do this> | - | - | - | - | - | - | - | - | - | - |
| RSA Cryptosystem User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| RSA Attacking User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| LSB Image Stego User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| LSB Image Stego Attacking User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| New Stego User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| New Stego Attacking User Stories | | | | | | | | | | | |
| | | | | | | | | | | | |
| Unplanned 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 | Tues | Wed | Thurs | Fri | Sat | Sun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRINT #4 | | | | 23 | 21 | 20 | 16 | 15 | 8 | 2 | 0 |
| RSA Cryptosystem User Stories | | | | | | | | | | | |
| Encode and decode a message | 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 |
| | | | | | | | | | | | |
| New 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 | 3 | JK | 3 | 3 | 3 | 3 | 3 | 1 | 0 | 0 |
| CSV Attack | As a user, I want to be able to tell if there are cells with only spaces | 1 | JK | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| CSV Null Data | As a user, I want to be able to delete any cells with just spaces so as to remove any message | 1 | JK | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |



Burndown Sprint #4

| | | | | - | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| SPRINT #3 | | | | 21 | 21 | 21 | 14 | 13 | 9 | 6 | 1 |

| RSA Cryptosystem User Stories | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Generate private and public key | As a user, I want to be able to generate a public and private key so that I can encrypt and decrypt messages | 2 | AB, IJ, MS | 2 | 2 | 2 | 2 | 2 | 1 | 1 | 0 |
| Encode and decode a message | 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 | AB, IJ, MS | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| Fermat Factorization | As a user, I want to be able to attack RSA using Fermat's Factorization | 3 | MS | 3 | 3 | 3 | 2 | 2 | 1 | 1 | 0 |
| | | | | | | | | | | | |
| 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 | 2 | JK | 2 | 2 | 2 | 1 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | |
| 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 | 2 | JM, VM | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 0 |
| Embed message into Sudoku puzzle | As a user I want to be able to send a solvable Sudoku puzzle with an embedded message | 4 | VM | 4 | 4 | 4 | 3 | 3 | 2 | 2 | 0 |
| Solve Sudoku Puzzle | I want a program that can solve sudoku puzzles in case the user cannot | 3 | JM | 3 | 3 | 3 | 0 | 0 | 0 | 0 | 0 |
| Destroy Sudoku Message | I want to prevent others from using our sudoku puzzle by destroying/making the puzzle unsolvable | 3 | JM | 3 | 3 | 3 | 3 | 3 | 2 | 0 | 0 |



Burndown Sprint #3
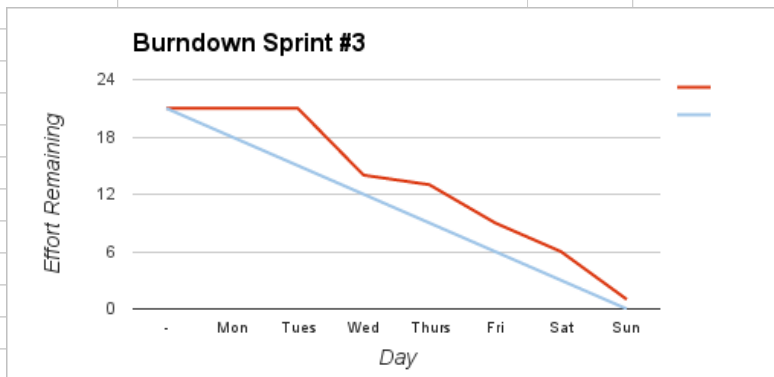
| SPRINT #2 | | | | - | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 30 | 29 | 21 | 13 | 11 | 3 | 3 | 2 |
| RSA Cryptosystem User Stories | | | | | | | | | | | |
| Encode and decode a message | As a user, I want to be able to encode and decode a message using private and public keys so that I can securly send messages | 4 | AB, IJ, MS | 4 | 4 | 3 | 3 | 2 | 2 | 2 | 2 |
| 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 | 4 | AB, IJ, MS | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | | | | | | | | | |
| LSB Image Stego User Stories | | | | | | | | | | | |
| Compare Original Images | As a user, I want to be able to compare images to see whether the image was modified | 2 | JM, JK | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 0 |
| 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 | 3 | VM, JK | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |
| 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 | 3 | VM, JK | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |
| Embed bit in 1-LSB RGB 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 | 3 | VM, JK | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |
| Embed bit in 2-LSB RGB 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 | 3 | VM, JK | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 |
| 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 | 2 | VM, JK | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 |
| 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 | 2 | VM, JK | 2 | 2 | 2 | 1 | 1 | 0 | 0 | 0 |

| | | | | - | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Extract 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 |
| Extract 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 |
| | | | | | | | | | | | |



Burndown Sprint #2
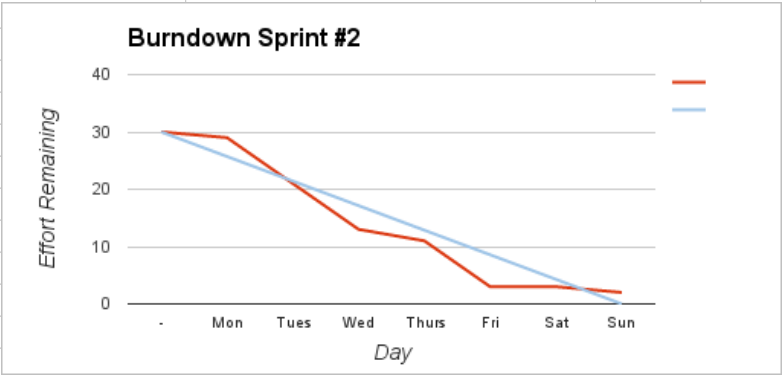
| SPRINT #1 | | | | - | Mon | Tues | Wed | Thurs | Fri | Sat | Sun |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 15 | 15 | 14 | 10 | 7 | 7 | 7 | 0 |
| Assign Roles | As a team, we want to assign specific agile roles so that we can work productivity | 1 | ALL | 1 | 1 | 1 | 0 | 0 | 0 | 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 |
| 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 |
| Create 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 |
| Create LSB Image Stego Attacking 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 |
| Create 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 |
| | | | | | | | | | | | |



Burndown Sprint #1