

Absolute time totals are at the complete bottom!

Date	Duration	Type	Description of completed work	Challenges and/or Next Steps
1/27/2025 5:00PM to 7:00PM	2 hours	Other	Attended Orientation Zoom meeting	Find supervisor, Lock-in project, talk to fellow classmate about possibly doing project together
1/28/2025 11:00AM to 1:30PM	2 hours & 30 min (2.5 hours)	Research	Updated this timelog's formtting, Looked into third project idea; Wrote up provisional draft detailing vague plan, and reasons why *this* project; then realized NAMUS already did/does everything I wanted to do, meaning this entire project idea is useless and going out the window. Yay.	THINK OF NEW PROJECT IDEA Attempt to contact friend again, Shoot possible supervisors emails, go to their office hours, Setup a Github now, ahead of time?
1/30/2025 10:30AM to 12:15PM 12:45PM to 2:00PM	3 hours total	Other	Formulated and tossed more project ideas; made github, conversed with friend about ideas inbetween now and last entry	Go to Allan James's office, perhaps they can give some adive on choosing a project; and verify/unverify the ones we came up with? Shoot Prof Mcneill an email
2/1/2025 10:00AM to 11:00AM	1 hour	Other	After a day rest, realized I was being dumb; doing the Cryptography project; making it a Windows Exe now though, instead of a website; I don't know how to make exes, so, it'll be... a learning experience, which is the point, no? Also, wrote up a (very) rough draft explaining my thought-process, what the project entails, etc	EMAIL EMAIL EMAIL
2/1/2025 11:00AM to 11:30AM	0.5 hours	Supervisor Email	Sent that email to Mcneill, finally!	Rewrite rough draft into something more presentable by itself; this is a project plan! I want to be able to send-in the document flat, if/when someone asks what my project's about! Apply to the internship oppertunities; while completing my personal project would be something I would love, regardless, a job would just be smarter Get a head-start on programming for my project!
2/1/2025 11:30AM to 2:15PM 2:45PM to 7:45PM	7.75 hours	Other	Job & Internship Applications	continue this later.

github link:

https://github.com/AHMED-OMER-Program01/CISC_4900_PROJECT-

Week reflection:

"oh god submit time is this morning I'm an idiot I don't have time to reflect I hope the info presented so far is enough; I will do my best to achieve more professional results next submission; Again, my apologies!"

The above was from when I thought I had to submit 9PM, instead of AM, the first week.

In general, the week was both anxiety inducing, and productive. I spent a majority of my time creating, and personally shooting down, project ideas, but not only did I eventually manage find a **decent** one, I snagged a great supervisor, in the form of Prof Mcneill.

On the challenges I specifically faced during this period; I realized that while I was up, down, and ready to do, pretty much anything, I didn't have a clear vision as to **what, exactly**, or, **how, exactly** to start. The Blackboard resources here were a great help; as well as were the 'previous project examples' page provided for/to us. While my own project is dissimilar to any I saw there, the **finished project example** acknowledgement on 'what can constitute as a healthy project' made me realize I was both aiming too high, AND too low. My current project, while slated to be hard personally, is a great chance to learn a **bunch** of things I've been meaning to get into!

Overall, I faced anxiety during the first steps, but now, I feel like I'm on a roll!

Er, barring that first timelog submission mistake. That was, and still is completely on me.

Regardless, the first week was in retrospect, fun! Cheers!

THIS WEEK AND IN TOTAL;	
Types of hours;	SPENT;
supervisor discussions, emails:	0.5
Team discussions, emails:	0
Design:	0
Coding:	0
Testing & Debugging:	0
Research, training, learning:	2.5
Other:	13.75
TOTAL:	16.75

Date	Duration	Type	Description of completed work	Challenges and/or Next Steps
2/3/2025 10:50AM to 11:05AM	0.25 hours	Supervisor	Confirmed Matthew McNeill as my supervisor!	<p>Get in writing; I trust his word, but documentation is key!</p> <p>Survey + timelog + resume is due tonight! Do survey! Pretty up previous form!</p> <p>Rewrite Project description draft into a cleaner, more professional explanation</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Visit AJ's office; try to learn his office hours; and, get advise on current project idea; is it stable enough as is? If not, any reccomendations on how to expand and/or solidify it into a more presentable form? Etc?</p> <p>Get to coding!</p>

2/3/2025 12:20PM to 12:50PM	0.5 hours	Other	<p>Met AJ! Turned out, this morning, he placed an announcement this morning on blackboard; his office hours are there!</p> <p>Also; we talked on the project; and while I'm going to convert/rewrite the notes I got onto my computer via a .txt, it was overall very, very helpful! Project has more form to it, and it's also a go! Wohoo!</p>	<p>Get Professor McNeill's supervisor position in writing; I trust his word, but documentation is key!</p> <p>Survey + timelog + resume is due tonight! Do survey! Pretty up previous form!</p> <p>Rewrite Project description draft into a cleaner, more professional explanation</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Copy AJ-Meeting notes into a shortform .txt on this computer</p> <p>Get to coding!</p>
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2/3/2025 1:20PM to 1:50PM	0.5 hours total	Other	<p>I thought the survey was due 9:00PM, not AM!</p> <p>While my friend was able to remind me, it was a big blunder! Plus, my internet kept reverting the survey. Ugghhh. Add in the fact I didn't get time to convert my previous timelog into a pdf-friendly format??</p> <p>I guess this simply I reminder to be more & more professional in the future!</p>	<p>Get Professor McNeill's supervisor position in writing; I trust his word, but documentation is key!</p> <p>Rewrite Project description draft into a cleaner, more professional explanation</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Copy AJ-Meeting notes into a shortform .txt on this computer</p> <p>Looked at supervisor form; let's make it easier on Prof; consolidate and categorize the hour amounts from last week, and formulate totals for this week into this excel too, yeah?</p> <p>Get to coding!</p>
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2/4/2025 10:30AM to 10:45AM	0.25 hours	Other	Copied yesterday's notes into a .txt, while expanding a bit on them, for future reference	<p>Get Professor McNeill's supervisor position in writing; I trust his word, but documentation is key!</p> <p>Rewrite Project description draft into a cleaner, more professional explanation</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Looked at supervisor form; let's make it easier on Prof; consolidate and categorize the hour amounts from last week, and formulate totals for this week into this excel too, yeah?</p> <p>Get to coding!</p>
2/4/2025 10:45AM to 12:45AM	2 hours	Design	Rewrote my project description graph to be a BIT more concise; not at a professional level, but for our/my own, personal reference level? Adequate.	<p>Get Professor McNeill's supervisor position in writing; I trust his word, but documentation is key!</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Looked at supervisor form; let's make it easier on Prof; consolidate and categorize the hour amounts from last week, and formulate totals for this week into this excel too, yeah?</p> <p>Get to coding!</p>

2/5/2025 12:15PM to 2:00PM	1.75 hours	Coding	<p>Started creating the setup-wizard using C# & visual studio 2022; mostly dealt with library dependencies, updating software issues, and downloading the proper tools.</p> <p>Felt like a wash.</p>	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Looked at supervisor form; let's make it easier on Prof; consolidate and categorize the hour amounts from last week, and formulate totals for this week into this excel too, yeah?</p> <p>Get to coding!</p>
2/8/2025 9:00AM to 12:00PM	3 hours	Coding	<p>Used VS-2022 template to attach a windows setup-project to a windows-dekstop app, checked to see if it built, modified it a bit, it does now,</p> <p>Uploaded barebones version to github</p> <p>Continued to modify application, to 'make it sufficiently my own'</p>	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Looked at supervisor form; let's make it easier on Prof; consolidate and categorize the hour amounts from last week, and formulate totals for this week into this excel too, yeah?</p> <p>Add "Create Desktop Shortcut?" option to install wizard; Hookup to default "Windows uninstall option"; or, at least, double-check to see if that's just not working on our machine (would NOT be suprised, at this point)</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

2/8/2025 12:15PM to 12:45PM	0.5 hours	Other	Reformatted this entire excelsheet; should be easier to read, both regular and on pdf, + has accumulated hours ready to read at a glance	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Meet & update prof monday? Or, at least email!!! While more chances for more hands on talk can/will happen later on in the semester, I want to start strong, too!</p> <p>Add "Create Desktop Shortcut?" option to install wizard; Hookup to default "Windows uninstall option"; or, at least, double-check to see if that's just not working on our machine (would NOT be suprised, at this point)</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>
2/8/2025 1:00PM to 3:00PM	2 hours	Research	Looking into further resources & guides on both encryption software, & cryptography in general	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Meet & update prof monday? Or, at least email!!! While more chances for more hands on talk can/will happen later on in the semester, I want to start strong, too!</p> <p>Add "Create Desktop Shortcut?" option to install wizard; Hookup to default "Windows uninstall option"; or, at least, double-check to see if that's just not working on our machine (would NOT be suprised, at this point)</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

github link:

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Week reflection:

This week was...

Well, it was well, overall.

I started doing actual work on the coding side of my project, I met up with one of my friends and dedicated even some of my non-set-aside time to thinking and developing the project, and in general, I have a more concrete, formalized plan on *what* I'm gonna do, and how.

But, well, it feels lackluster; personal issues came up family-wise, and other duties, the works; despite arguably thinking about the project even more on average this week, my hours were less, and it shows.

I *know* I'm gonna bounce back; there's no real obstacles in my path; I have a plan, it *is* feasible, and the hardest part (knowing *how* to start, and starting inofitself) is done. I guess overall, my takeaway for this week is that, even if I plan, schedules will fall through, and I need to be better at *adapting*, not *accepting*.

Cheers for next week, though! Hopefully, I'll talk to McNeill more!

THIS WEEK	
Types of hours;	SPENT;
supervisor discussions, emails:	0.25
Team discussions, emails:	0
Design:	2
Coding:	4.75
Testing & Debugging:	0
Research, training, learning:	2
Other:	1.75
TOTAL:	10.75
IN ABSOLUTE TOTAL:	
Types of hours;	SPENT;
supervisor discussions, emails:	0.75
Team discussions, emails:	0
Design:	2
Coding:	4.75
Testing & Debugging:	0
Research, training, learning:	4.5
Other:	15.5

<u>TOTAL:</u>	27.5

Date	Duration	Type	Description of completed work	Challenges and/or Next Steps
2/10/2025 12:15PM to 12:30PM	0.25 hours	Testing	<p>Went to campus library to download my github version to test base-functionality;</p> <p>Downloaded fine & fast, but the setup.exe was auto-blocked; will attach picture to/as proof;</p> <p>(EDIT; no, I'm NOT gonna put it in this spreadsheet, looks clunky. Gonna put it in my 'proofs of work' folder, so when I upload the thing later to my github, It'll be there, alongside everything else. Sorry!)</p>	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Meet & update prof monday? Or, at least email!!! While more chances for more hands on talk can/will happen later on in the semester, I want to start strong, too!</p> <p>Add "Create Desktop Shortcut?" option to install wizard; Hookup to default "Windows uninstall option"; or, at least, double-check to see if that's just not working on our machine (would NOT be suprised, at this point)</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

2/10/2025 1:00PM to 2:00PM	2 hours	Coding	While waiting for a miscommunication meeting(EDIT FROM THE DAY AFTER; *not* miscomm, but errors from beyond both our control), fixed the optionality of the Desktop-Creation box; Now, when using the install wizard, Users can choose to NOT have the desktop-shorcut appear. In other words; I long ago specifcally tested the uninstall function (a necessary requirement of testing my code, lmao), but I haven't yet tested on ANOTHER comp, as noted last entry.	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Update Github with the better version of the project!</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>
2/11/2025 10:30AM to 10:45AM	0.25 hours	Supervisor (emails)	Wrote and responded to an email to Mcneill; should/will be setting up a ZOOM meeting to make-up for the unfortunate miss from yesterday!	<p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Update Github with the better version of the project!</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

2/11/2025 11:45PM to 1:15PM	1.5 hours	Bugfixing	<p>ORIGINALLY, I was just trying to revamp my github; but then I realized the desktop-optionalty WASN'T working completely, so I looked into that; From then which, I realized the building of my local installer wasn't working, which led me to understanding that my base project-setup had some conflicts from seemingly nowhere. TLDR; had to completely redo project so far, then bug-test the hell out of the result.</p> <p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Ironically, I think I'm still ahead of my projected schedule. Hurray?</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>
2/13/2025 10:45PM to 12:30PM	1.75 hours	Research	<p>Instead of leaving it *technically* up in the air, I did more research into *what specific* encryption algorithmis I'm going to use. After looking through my conditions(one standard, one Post-Quantum, one obscure, Windows-Microsoft favorable if possible, etc), & my options; I concluded</p> <p>Standard AES, esp. since mircosoft has a walkthrough; it'll serve as an introduction to creating a proper encryption application for the first time</p> <p>Lattice-encryption; either via a custom algol-code, based off my own understanding, or the KEM (Key encap Mech) would be done via KYBER; a trusted example that's been around for a few years; while less fun overall; serves the educational aspect via it's prior existant presence.</p> <p>And finally... I'll leave the third one for next week!</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

2/13/2025 1:30PM to 1:45PM	0.25 hours	Supervisor?	<p>I had to take an emergency family call (sibling is living by themselves for the first time, politics aren't looking too hot, had to take it), and thusly, didn't make it for the supervisor zoom meeting I SCHEDULED AHHHHHHHH</p> <p>So, thinking fast, (but in a very, very drained fashion), I opted to immediately start recording what I had for the project so far, so AT LEAST it could be said an update was made/attempted.</p> <p>I'm mostly apologetic towards Professor Mcneill; it's not intentional, but still, his time was wasted, and I didn't want to ever do that!</p> <p>Ugh.</p> <p>Link here; https://www.youtube.com/watch?v=JGtxCgxSISM</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Formalize Project-Map/Path (check blackboard; pretty sure doing this is a requirement anyway; they're more likely to have resources to help us do this well/better than not!)</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>
2/15/2025 10:30AM to 3:45PM	5.25 hours	Other	<p>I don't, and still don't know, that if/since I'm doing a project by myself, if I *also* have to prepare a project diagram & such, or, if that's *only* for projects with groups of people within them.</p> <p>Regardless, did it, and got it out of the way; will submit monday night, in case something happens inbetween now & then..</p> <p>Between this, & my many, many notes; I'm okay with saying I have a solid Project-Map/Path.</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>

2/16/2025 12:15PM to 1:30PM	1.25 hours	Research	<p>Legitimately a bit spontaneous;</p> <p>Just went on to double-triple-recheck-quadruple check again that, if what I'm doing/planning is viable (conclusion: yes); then, went on to try to find a white-page or something for a thrird, obscure algorithm.</p> <p>No luck.</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia)</p>
2/17/2025 5:00PM to 7:00PM	3 hours	Other	<p>Had no internet for a solid portion of time; decided to start fixing old PC that I planned on factory-resetting for testing-purposes a bit now, rather than later, just to save time/be efficient/do SOMETHING productive today.</p> <p>Spent two and a half hours looking for old power cables, cleaning the PC's tower, and watching it slowly, slowly try to update and turn on.</p> <p>Then, spent another half an hour watching it continuously quit and kill itself just to spite me.</p> <p>I'm sure this is my fault, somehow; but I did put in the work; so I'm logging it. Hopefully, either next time, I can finangle something, or, worst case, I have to take it to a shop for repair.</p> <p>joy.</p>	<p>Current plan; Recomplete the little personalizations I did previously; Rename installer/roject, because currently, when running, I made it say "Installing 4900installer" which is just straight up *dumb*, and FINALLY continue to the application itself!</p> <p>Test install & uninstall & such on another COMP!!!</p> <p>Create base planned classes inside the application (sidebar with algorithm list, specific algol, rich-or-simple text call, etc. Basically; start shaping the minutia).</p> <p>Fix old PC. Don't be an idiot about it..</p> <p>And update the github again.</p>

github link:

https://github.com/AHMED-OMER-Program01/CISC_4900_PROJECT-

Week reflection:

Overall; the project's as clear-cut as it's gonna get. I'm just gonna have to start to apply to the grind of it all;.

Throughout the week, there have been several complications keeping me from doing anything I feel like was true, productive work. Needing to completely revamp my current project due to some latent file-conflict I *still* don't fully understand what was, days later, my Asthma acting up (now using Fluticasone-Propionate & Salmeterol. Hurray.), having that supervisor meeting be missed due to an emotional family call, the internet cutting out for a bit today, presumably because of the wind, and my goddamn old-tower PC *refusing* to work.

It's been a week.

But then again, I guess it's always been, no?

I just hope things get better. Overall, project wise, still ahead of shcedule, so, that's fine, at least.

Here's to another week, yeah?

<u>THIS WEEK</u>	
<u>Types of hours;</u>	<u>SPENT;</u>
supervisor discussions, emails:	0.5
Team discussions, emails:	0
Design:	0
Coding:	2
Testing & Debugging:	1.75
Research, training, learning:	3
Other:	8.25
<u>TOTAL:</u>	15.5
<u>IN ABSOLUTE TOTAL:</u>	
<u>Types of hours;</u>	<u>SPENT;</u>
supervisor discussions, emails:	1.25
Team discussions, emails:	0
Design:	2
Coding:	6.75
Testing & Debugging:	1.75
Research, training, learning:	7.5
Other:	23.75
<u>TOTAL:</u>	43