

Engineering Notebook

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Large Scale Design & Analysis of Neural Networks

The engineering notebook is an ongoing document detailing your work completed in each sprint. Each team member will complete their own notebook **independently**. You should list any code you wrote, components you tested, or documentation you wrote. You should also keep track of any meetings you have and what was discussed/worked on during them.

The purpose of the engineering notebook is to provide an unchanging, absolute record of all the work you have done. It records every step and every decision to provide a reference for later decisions. Additionally, it allows others to check your work and progress later. Otherwise, many design and planning decisions may be lost to time.

The engineering notebook should be updated continually throughout the project, not only at the end of each sprint. Each entry must be dated and should always correlate to when the work was completed. Each team member's notebook should be stored within your team's GitHub. Use consistent formatting for the entirety of the notebook, and don't erase previous entries.

The following pages show different examples of how you may choose to format your personal engineering notebook. You do not need to include everything in the examples, but use them as a reference for the amount of effort/size we are expecting to be done.

Date: October 15, 2024

Today I created the Software Requirements Specification and Software Design Documentation documents. I went through the SRR and edited the sections to highlight what needs to be deleted in the end in red, this makes the process of filling it out a lot simpler and makes sure what needs to be deleted is popping out. After that, I wrote the first draft for the Introduction section 1.1 as well as the Distribution list at the top where document control is.

This was done during our meeting in the Lehman building and it was decided that the main editors of these documents would likely be me and Sharif, since for now the only ones working on the main code are Daniel and Simon but that will likely change around as we go sprint to sprint.

I also created the slides file but only added the title & names.

Date: October 18, 2024

I finished the slides today, making sure that they go over things like an overview of our project, what we've done, examples, and what we plan for future sprints. I'm going to wait for a team member to review it before submitting, just in case anything should be added/edited.

Date: October 22, 2024

Today I edited the Software Requirements Specification in section 1.2 for the intended audience and reading suggestions, and section 1.5 (definitions, acronyms, and abbreviations). I double checked with my team about the slides and submitted them before our meeting.

In the meeting, our PhD student John came into the IC 101 to meet with us about our current progress and ask to answer any questions. I personally didn't have questions for him, but my team members asked about a couple things. I think we met for about 15-ish minutes.

Date: October 23, 2024

Today I reviewed my personal code that I was practicing for our project, since I still have some parts of Deep Learning that I don't fully understand quite yet. I'm also adding to the SRS again, these are the parts I filled/finished/started as a part of the first draft of SRS:

- Introduction (1.0 - 1.5) was all finished
- General Description (2.5, 2.6) was started

I am also working on the use case model(for 2.3), and after that I plan on making any other diagrams my group thinks is necessary.

Date: October 24, 2024

Our group agreed to meet this weekend on Sunday to replace our meeting today due to some members not being able to make it. We also have our submission on canvas due for the notebook and agile so our group created the branch for our notebook and I added points to the tasks I worked on.