Week 5 Discussion

Phase I Update

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Overview

Phase 1 has been very productive for our group. We have developed a GUI which can open images. The functionality of the encode and decode features is builts but has not yet been integrated into the front end. We did have some issues with version control even though we are using git, but in the end, it was a productive learning experience. We are currently ahead of/on/behind schedule. Specific milestones and their status are listed in the table below.

Milestones

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Status** | **Notes** |
| ImageObject Class | complete |  |
| Message conversion | complete |  |
| Image encoding | complete | Will need to refactor to simplify some of the code. |
| Image decoding | complete |  |
| Image reset | complete |  |
| File Input | complete | Exploring a simplified method to open files |
| File Output | not started |  |
| GUI | incomplete |  |
|  |  |  |

Design Retrospective

Some early decisions and assumptions have caused a bit of rework. Notably, an early decision to use different GUI frameworks for different parts of the application caused some conflicts while running on macOS but were not evident on Windows. We decided to move the affected functions to a single framework which fixed the conflict but came with a bit of a learning curve.

A lot of variables and class attributes overlooked during initial design became evident during development. This may have been overcome by pseudo-coding the application before development, but excitement got the better of the team. We are still discovering that we need to implement different helper functions to help us enable the desired functions from the GUI.

The Design document has been updated with the new variables, attributes, methods, and functions highlighted in yellow, those that have been moved from one location to another highlighted in blue, and those that have been deleted highlighted in red.