

Design Review (Self) (5 points)

Review your design using the Design review checklist provided. Mark the checklist with your findings and make necessary changes.

Preliminary Design Review

Traceability

Did you ensure traceability of the design back to the systems specification and statement of requirements?

- *Yes, I reminded myself by pasting the requirement into the module's comments.*

Is a scheme used for naming of modules, data, and interfaces?

- *This assignment was done in a shorter week and therefore the planning for it was not of high standard.*

Are all modules, data, and interfaces uniquely identified?

- *To the best I could, but I mostly used ad-hoc style to program as I see fit.*

Consistency

Is the data structure consistent with the information domain?

- *Yes*

Is the data structure consistent with software requirements?

- *Yes*

Is a standard design representation used?

- *Yes, but partially due to time constraint.*

Is a standard data usage representation used?

- *Yes*

Completeness

Are software requirements reflected in the software architecture?

- *Yes*

Are all referenced data defined?

- *Yes, locally.*

Are all defined data used?

- *Yes*

Are all referenced modules defined?

- *Yes*

Are all defined modules used?

- *Yes*

Are interfaces defined for modules and external elements?

- *Yes*

Has maintainability been considered?

- *No, due to time constraints.*

Efficiency

Are data grouped for efficient processing?

- *No, local data used. The goal was functional code first.*

Are storage requirements allocated to design?

- *Yes, the codebase is small enough.*

Is effective modularity achieved? Are modules functionally independent?

- *No. There is a strong coupling that needs serious refactoring afterwards.*