A big part of your grade will be the design documentation. Here are some more tips and details on the criteria I'll be using. You should recall these from taking Bob Waters' 2340 course.

System Architecture. a. Static: Major architectural components are shown. Logical relationships between components are clear. Acyclic dependency. Style(s) are applied when appropriate. Style is correctly applied. Diagram itself is clean and layout aids in understanding. b. Dynamic: A scenario or SSD is provided to show runtime behavior. Components interact logically and in accordance with Style chosen.

Data Design

a. For database use: An ER diagram is provided. Relationships between tables and cardinality constraints are shown. Tables are appropriately normalized. PK/FK relationships are shown if needed.

b. For file use: Format is documented if non-standard. Otherwise, a standard format is chosen.

c. For data exchange: Format is documented.

Component Detailed Design

a. Static: A structural diagram is provided that shows low-level components (classes, web pages, etc.) and their static relationships. Descriptions of functionality or attr/methods are shown. Appropriate syntax for standard diagrams, explanations for non-standard diagrams.

b. Dynamic: A diagram is provided that shows runtime interactions of the static components. Appropriate diagram is chosen. Behavior illustrates how system will operate on a non-trivial use case.

UI Design

a. Major screens are provided.

b. Widget selection and layout is appropriate and logical

c. Proper UI design principles are applied to the screen design.

Overall Design Quality: Design follows good Software Engineering principles. Low coupling, High cohesion, SOLID, TDA, LOD, etc. are applied where appropriate. Patterns and Styles are used to enhance the design. Good decomposition of problem.