

CS 5500 (Spring 2018) Course Project

Phase B (Due: Sunday, Feb. 11)

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Phase B: System Design

Using the use cases and user-interface mockups that you created in Phase A as a starting point, you will now create a design that reflects the architecture of your system. This design should include: (i) the major components of your system and the relationships between them, (ii) key data structures that are manipulated by and/or exchanged between your components, and (iii) Java interfaces that reflect these components and data structures. In Phase C, you will use this design and these interfaces as the starting point for your implementation.

IntelliJ and Eclipse both have UML tools available. You can get them via each's marketplace. If you prefer something else, a list of tools is available at https://en.wikipedia.org/wiki/List_of_Unified_Modeling_Language_tools.

Deliverables for Phase B

The deliverables for this phase are:

1. UML class diagrams reflecting major components and data structures (\leq 10 pages PDF).
2. Java interfaces for the components and major data structures.

These deliverables must be placed in your team repository in a directory named “phaseB” by 23:59pm Eastern Time on the due date.