

CS 471 – Senior Capstone I, Fall 2014
Design Plan Document (DPD)
DRAFT Due Mon Nov 10 by 5pm
FINAL Due Wed Nov 19 by 5pm

You will be designing the software to implement a portion of the web store specified in the SWR assignment. You will be making the design decisions and providing the rationale for these decisions. Follow the format of the DPDs of TODO and DONOR. An average CS 311 student should be able to implement the software system using only your SWR and DPD documents and no additional information from you.

Constraints on your design:

- sell physical items in the inventory (e.g. no digital downloads or rentals)
- inventory system should scale to 1000 different items
- simple html web pages for the browser and shopping cart

The bad news is that the team working on the **Inventory System (IS)** is way behind schedule, so you will have to create a placeholder inventory system to test your **Browser** and **Shopping Cart** implementation. The good news is that you do not need to implement the search functionality at this time. Your design focus will be on displaying and browsing items and manipulating a shopping cart.

Be sure to include a thorough testing plan.

The writing rubrics on the class website will be used to evaluate your paper.