CS 2450  
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# CS 2450 Final Project: Stage 2

System overview:

My system is a home item management system called Homedex. It makes keeping track of your home items easier. My system allows users to login, add items, edit items, and delete items.

Class structure:

My system uses a local server to access databases using PHP. Since my system doesn’t have python, my SQL databases are my classes. I have a user’s class that keeps track of usernames and passwords. My other class is the items class. It keeps track of all of the user’s items data.

Design Patterns:

In my PHP code I used a singleton pattern to make sure that duplicate users and items aren’t made. Additionally, I used a factory pattern to create new items in the items table using the html forms data.

Stage 1 fulfillment:

This project fulfills stage 1 as it has accomplished the problem of keeping track of household items. It has fulfilled all of the user story requirements including the moderator ones through being a database administrator.

Testing:

All of my testing was done manually as shown in the video below showing my testing being done.

